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THE NEOLITHIC AND LATE IRON AGE POTTERY FROM POOL, SANDAY, ORKNEY

An archaeological and technological consideration of coarse pottery manufacture at the Neolithic and Late Iron Age site of Pool, Orkney, incorporating X-Ray Fluorescence, Inductively Coupled Plasma Spectrometric and Petrological Analyses

2 Volumes

Volume 2

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submitted for the degree
of Doctor of Philosophy

Department of Archaeological Sciences

University of Bradford

1990

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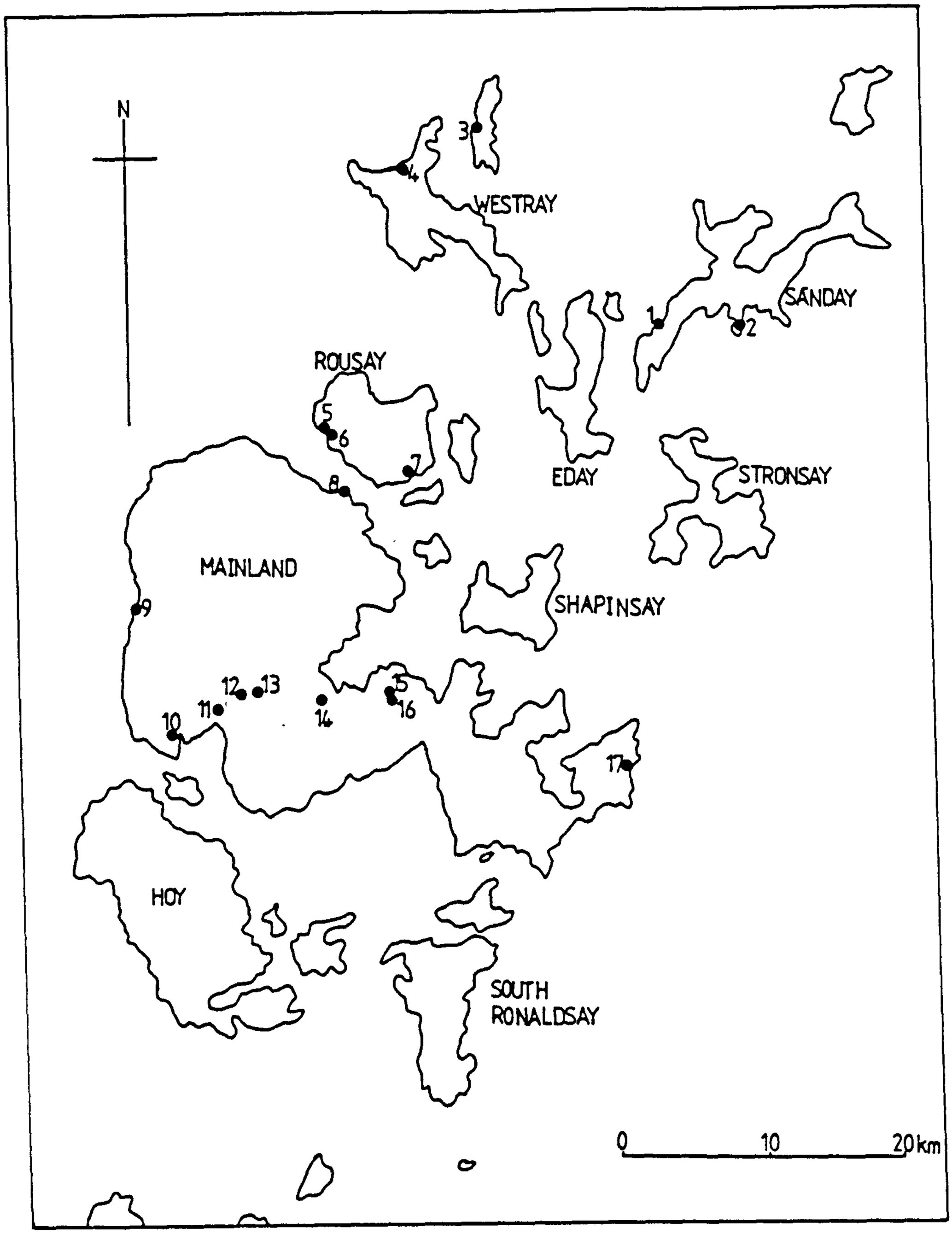


Figure 1: Location of main Orcadian sites mentioned in the text.

Key to Figure 1

1. Pool Neolithic and Iron age settlement.
2. Quoyness chambered tomb.
3. Knap of Howar Neolothic settlement.
4. Links of Noltland Neolithic settlement.
5. Midhowe chambered tomb.
6. Midhowe broch.
7. Taversoe Tuick chambered tomb.
8. Gurness broch.
9. Skara Brae Neolithic settlement.
10. Howe broch.
11. Unstan chambered tomb.
12. Stones of Stenness.
13. Maes Howe chambered tomb.
14. Cuween chambered tomb.
15. Quanterness chambered tomb.
16. Wideford Hill chambered tomb.
17. Skaill multi-period settlement.

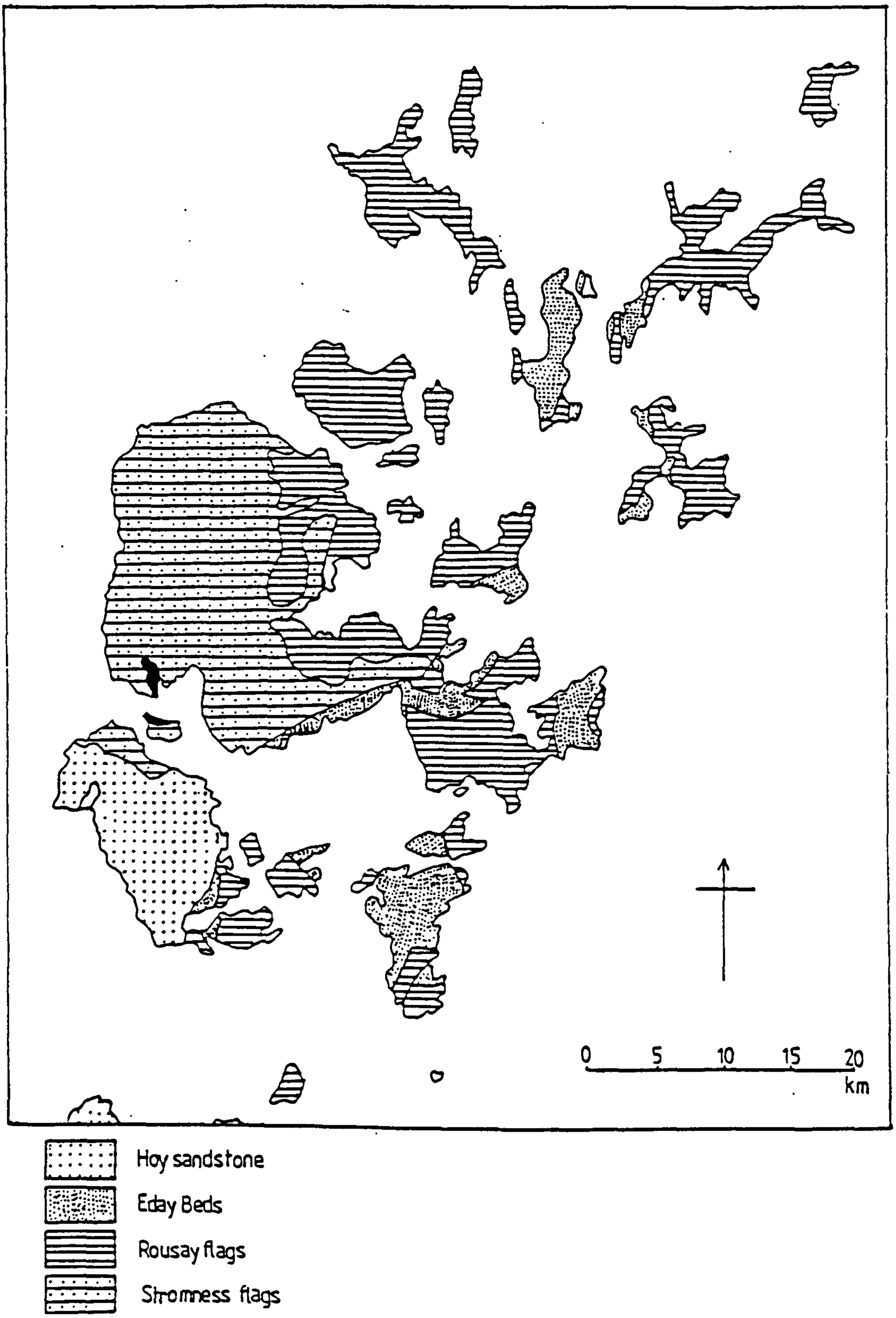


Figure 2: The geology of the Orkney Islands.

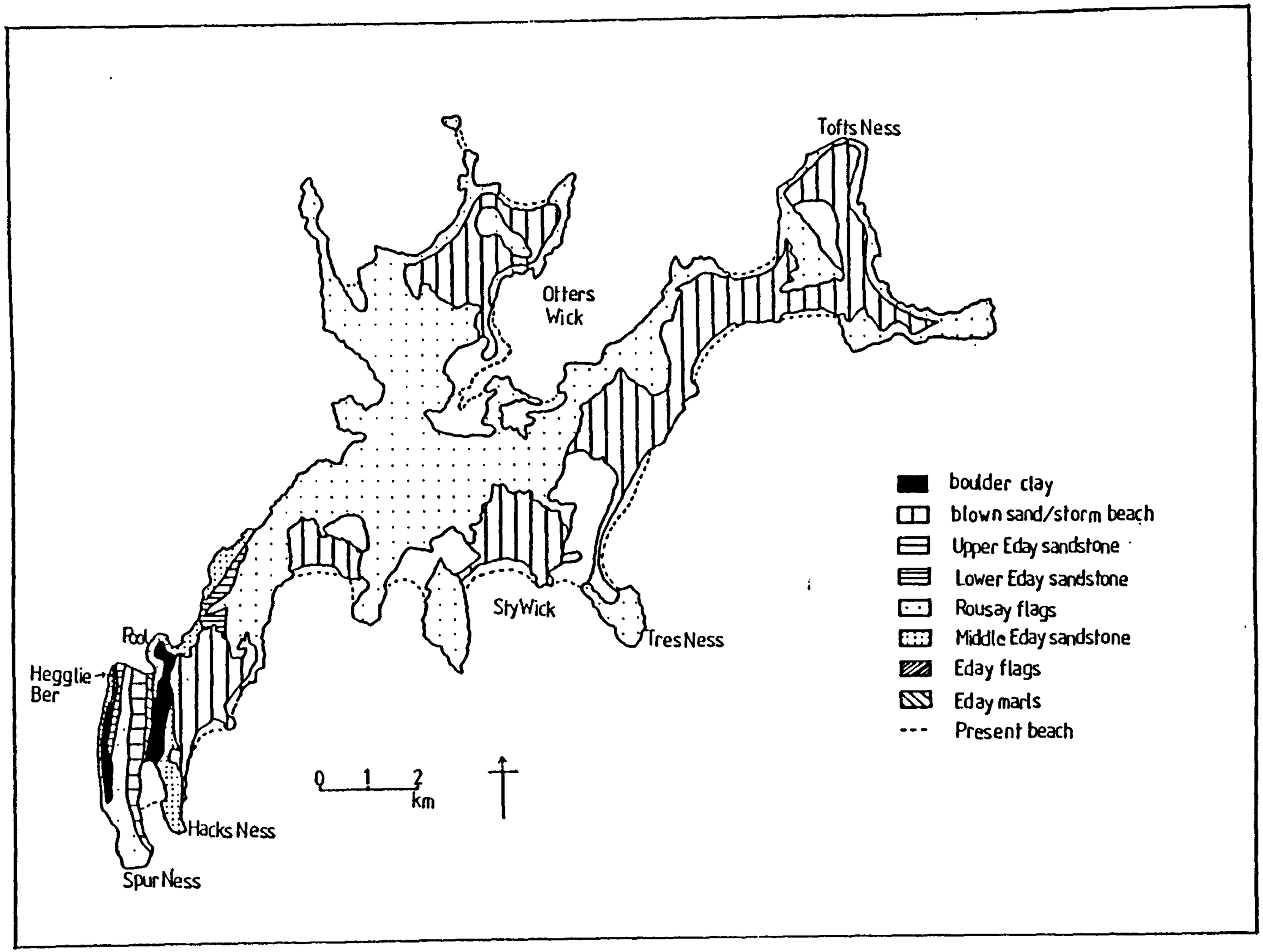


Figure 3: The geology of Sanday.

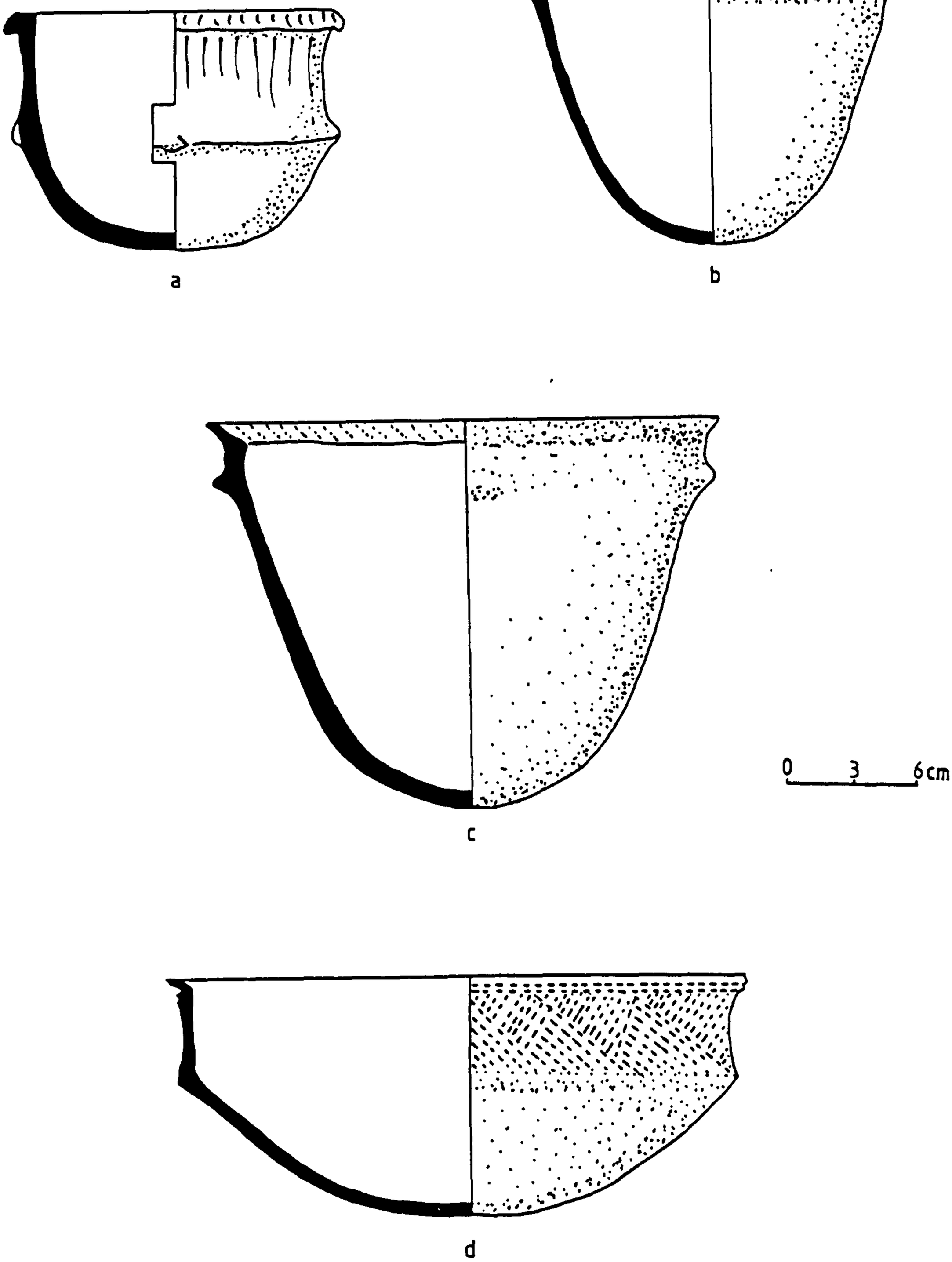


Figure 4: Early Neolithic pottery from Scotland.
(a = Achnacree, Argyll, b = Rudh an Dunain Skye, c = Beacharra, Kintyre, d = Unstan, Orkney. a & b after Megaw and Simpson, 1979, fig 3.15, c & d after Ritchie and Ritchie, 1981, fig 25.)

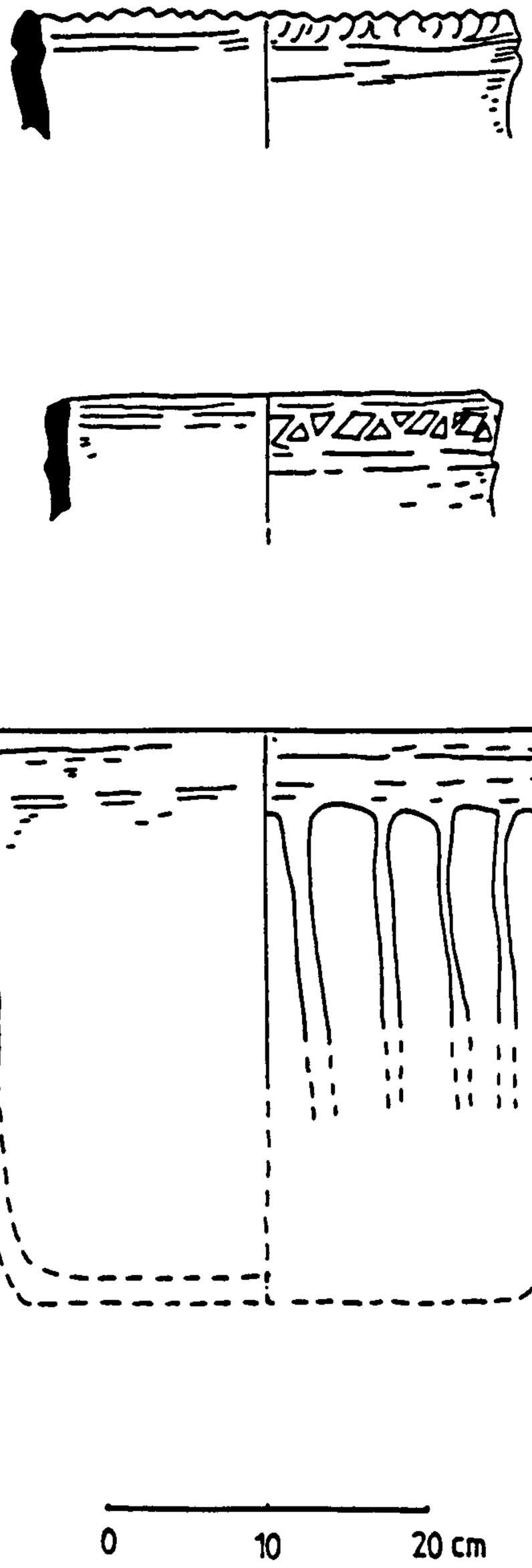


Figure 5: Grooved Ware pottery from Skara Brae (after Clarke & Sharples, 1985, 57, fig 4.2)

Pool's Pottery

Macroscopic and Microscopic Recording of
- morphology/decoration
- raw materials
- manufacturing techniques

Formulation of questions on -

Seriation
approached by -
- morphological data
- technological data
- ethnographic parallels

Provenancing
approached by -
- clay survey
- XRF
- ICPS
- thin sections

Interpretation of the Site
approached by -
- morphological data
- technological data

Trade/Contact
approached by -
- XRF
- ICPS
- comparison with pottery from other sites

Figure 6: Summary of research design for the Pool assemblage.

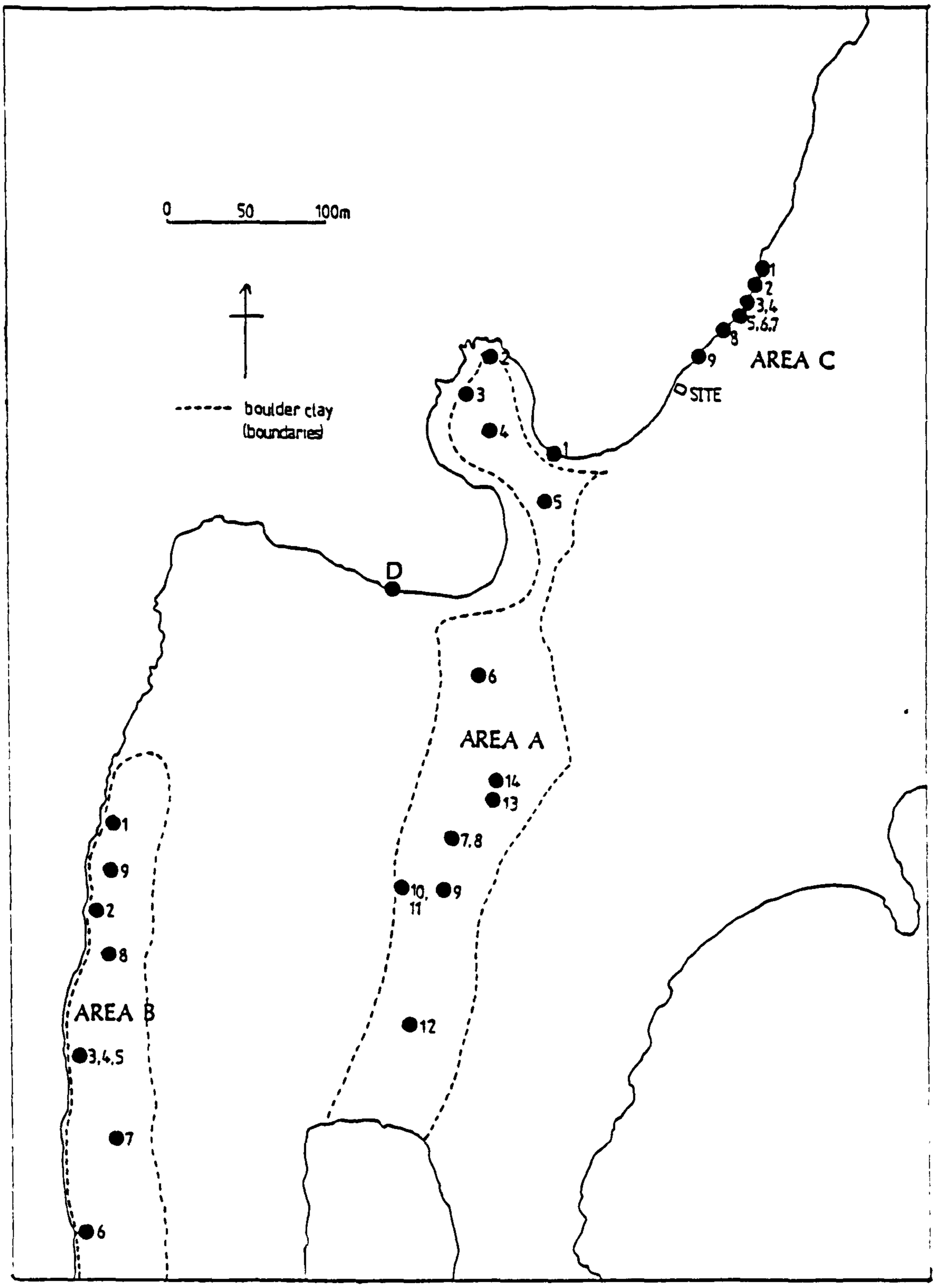
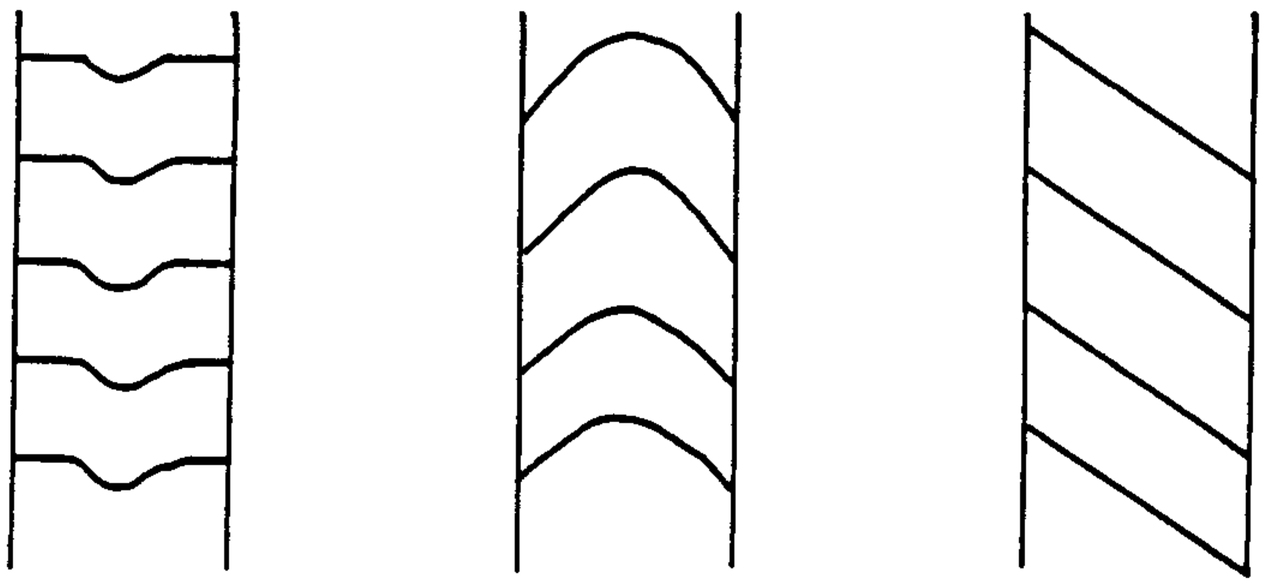


Figure 7: Location of clays sampled in the Pool area.



a. b. c.

Figure 8: Coil junction types.

a = H-shaped

b = U-shaped

c = N-shaped

(after Hulthen, 1977, 35)

Phase 7.1
Context 2292 - Rubble spread, Area J
PL87

Finds No	BY	R	BS	F	M	C	E	C	I	Fabric	Th	Dia	Wt	Comments
5497	✓					✓	brown surface	grey	brown surface	1 hard	1·0	-	25·9	Exterior burnished.
5498	✓				✓		grey margin	red		1, siltstone hard angular 0·2 5%	0·8	-	20·8	ES
5502	✓ 3				✓		grey		brown surface	1, organics (grass impressions) hard	0·6	-	5·8	ES
5510		✓			✓		red	grey	red	2 hard	0·7	-	9·3	Flattened rim, slightly everted. Probably from a globular vessel.

10

Figure 9: Example of pottery recording sheet.

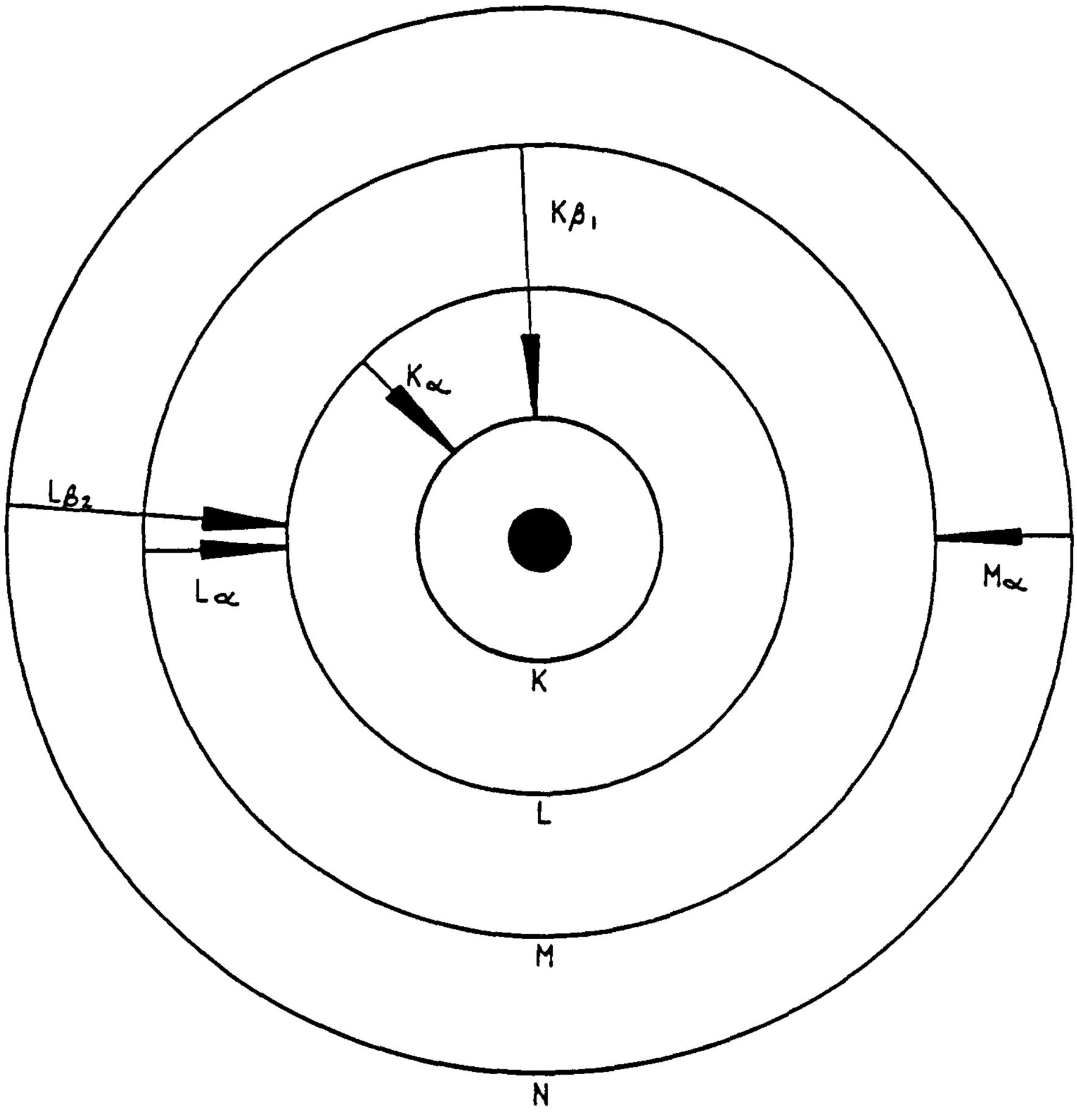


Figure 10: Electron transitions to inner shells (after Jenkins and de Vries, 1967, 3, fig 1.2).

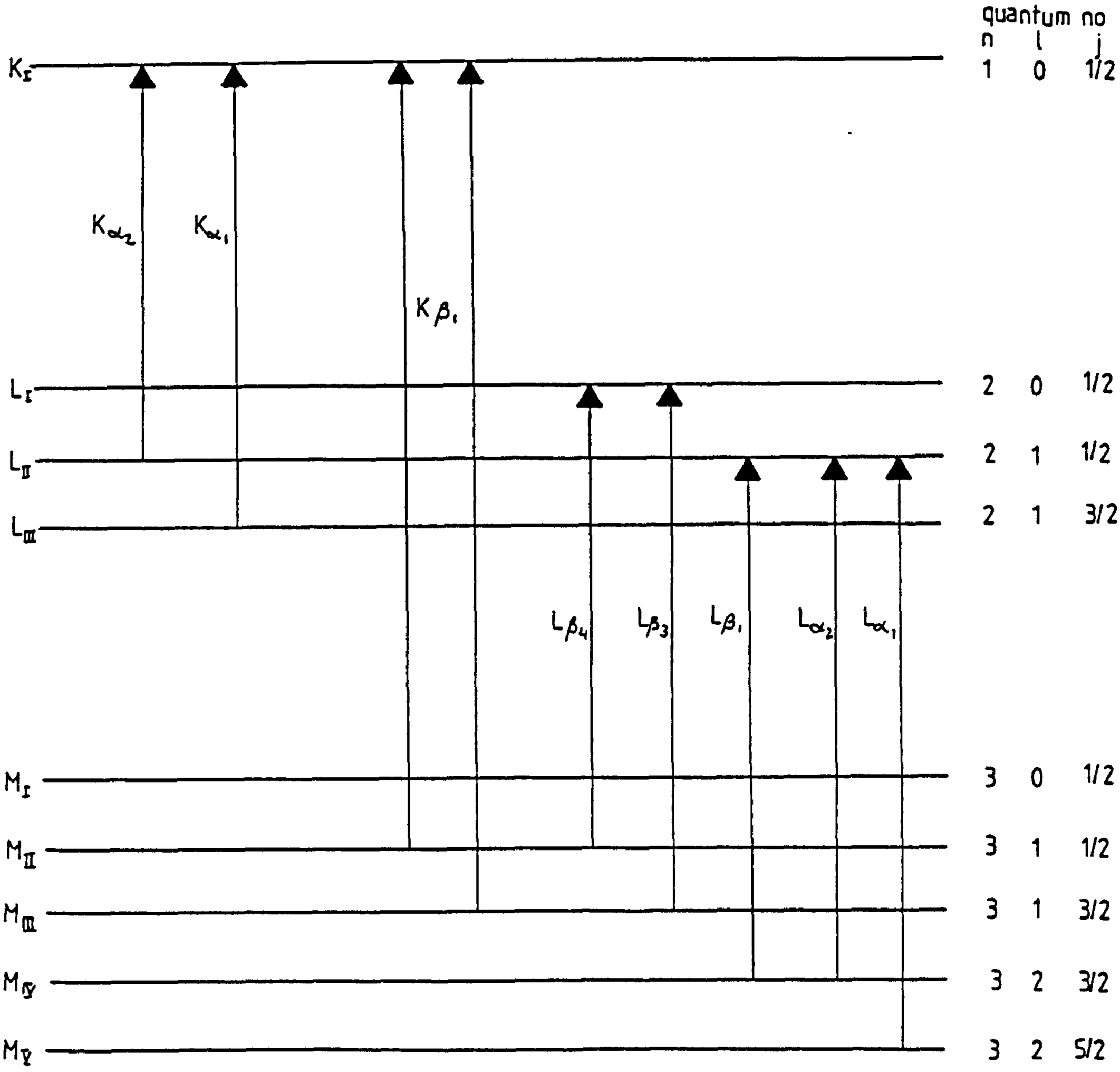


Figure 11: Common X-ray emission lines.
(after Jenkins and de Vries, 1967, 7, fig 1.4)

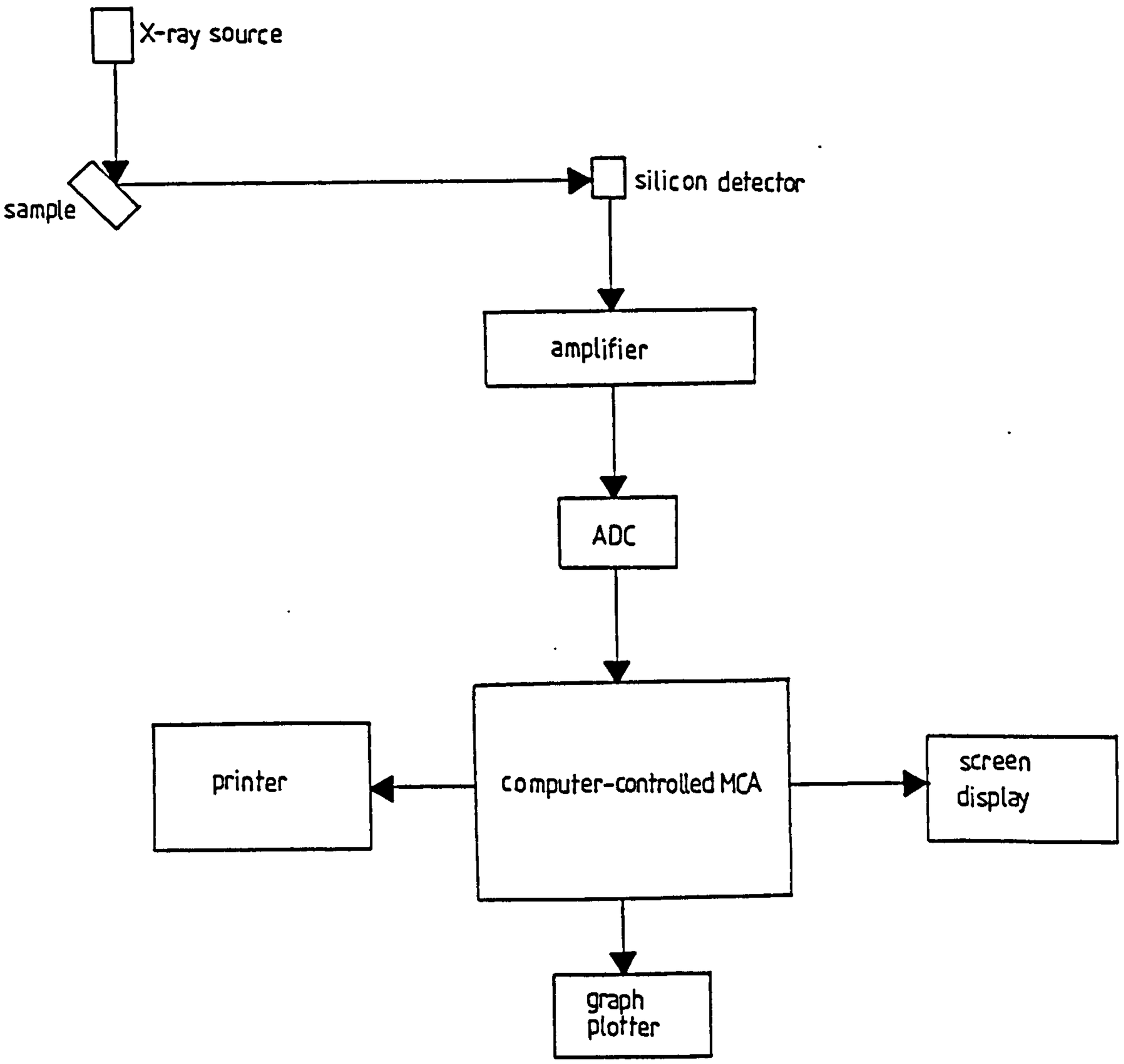


Figure 12: Block diagram of XRF equipment.

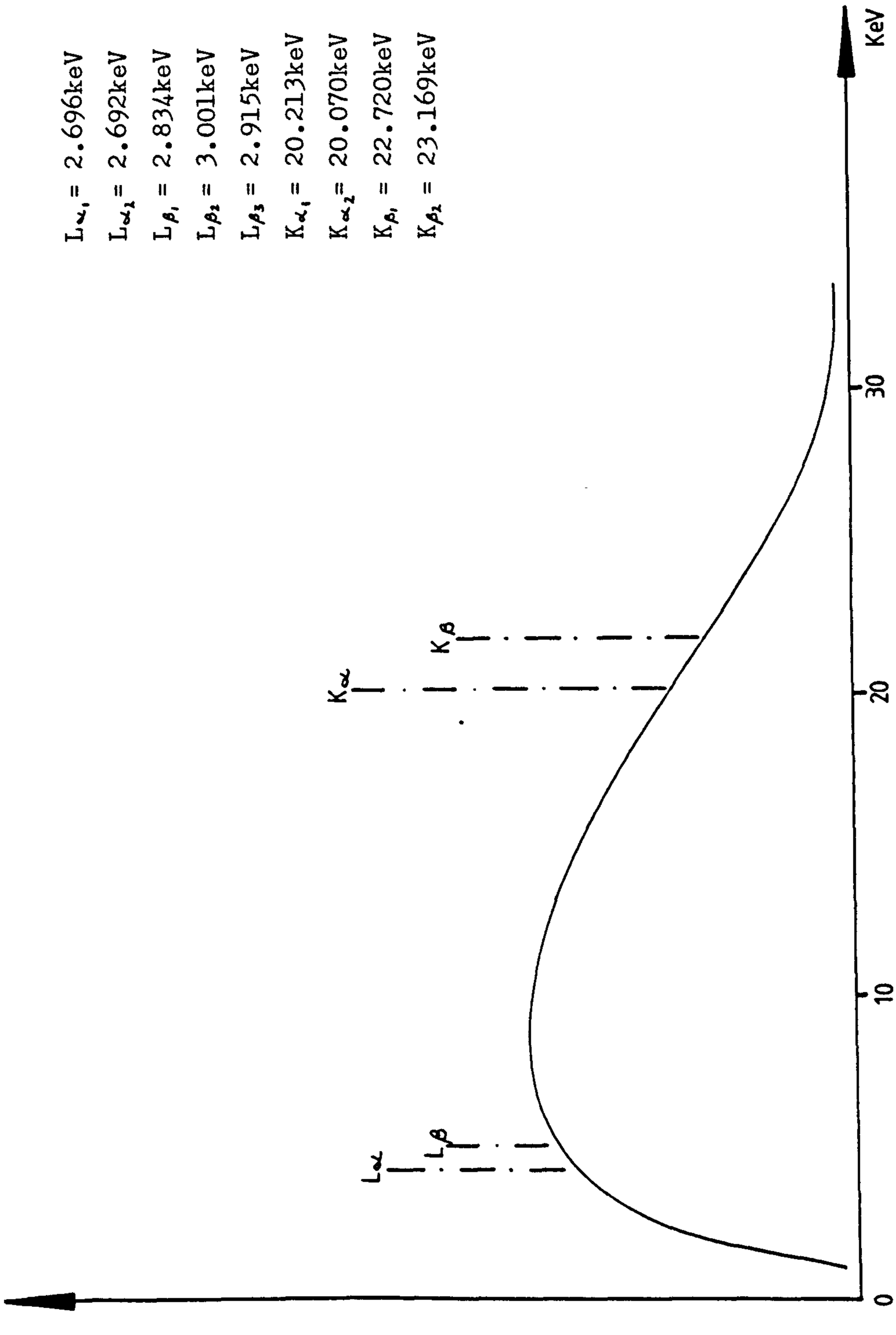


Figure 13: Primary spectrum for rhodium x-ray tube.

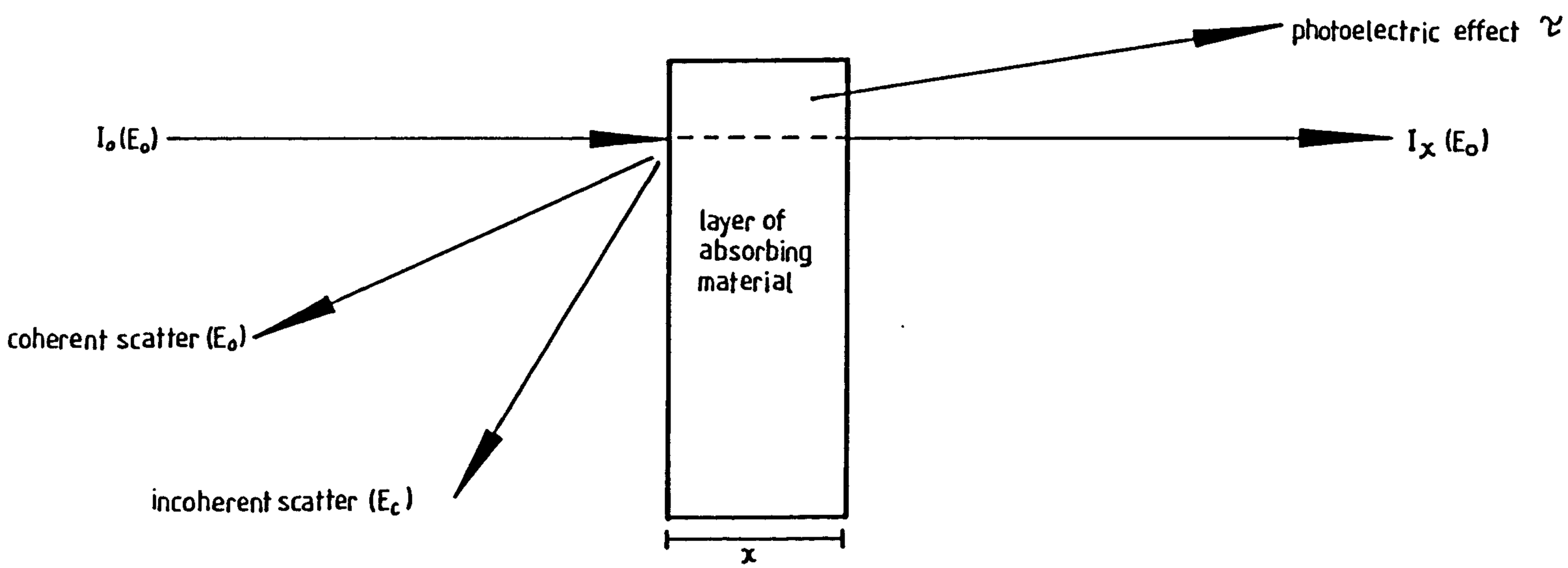


Figure 14: Interaction of x-rays with a layer of absorbing material (see over for key).

Key to Figure 14

X = thickness of absorber

$I_o(E_o)$ = incident x-ray at energy E_o

$I_x(E_o)$ = emergent x-ray at energy E_o

= density of absorber

E_c = energy of compton scattered radiation

$I_{x_i}(E_o) = I_{o_i}(E_o) \exp^{(-\mu x \rho)}$

$\mu(E_o)$ = mass absorption coefficient of absorber for energy E_o

$\mu = \mu_1 + \mu_2 + \mu_3$,
where μ_1 = coherent scatter coefficient
μ_2 = incoherent scatter coefficient
μ_3 = photoelectric absorption
$\mu_1 + \mu_2 = \sigma$
$\mu_3 = \tau$

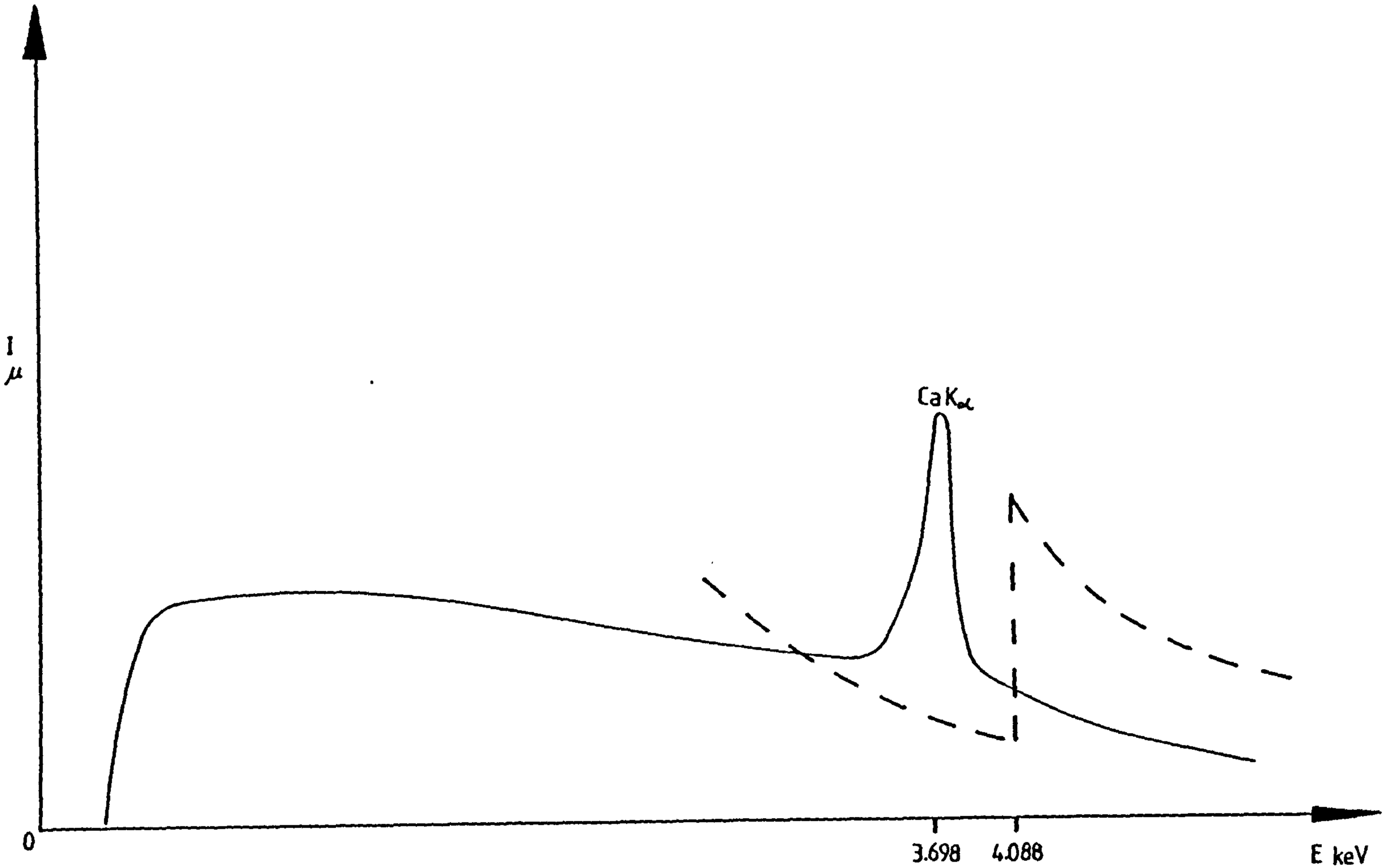
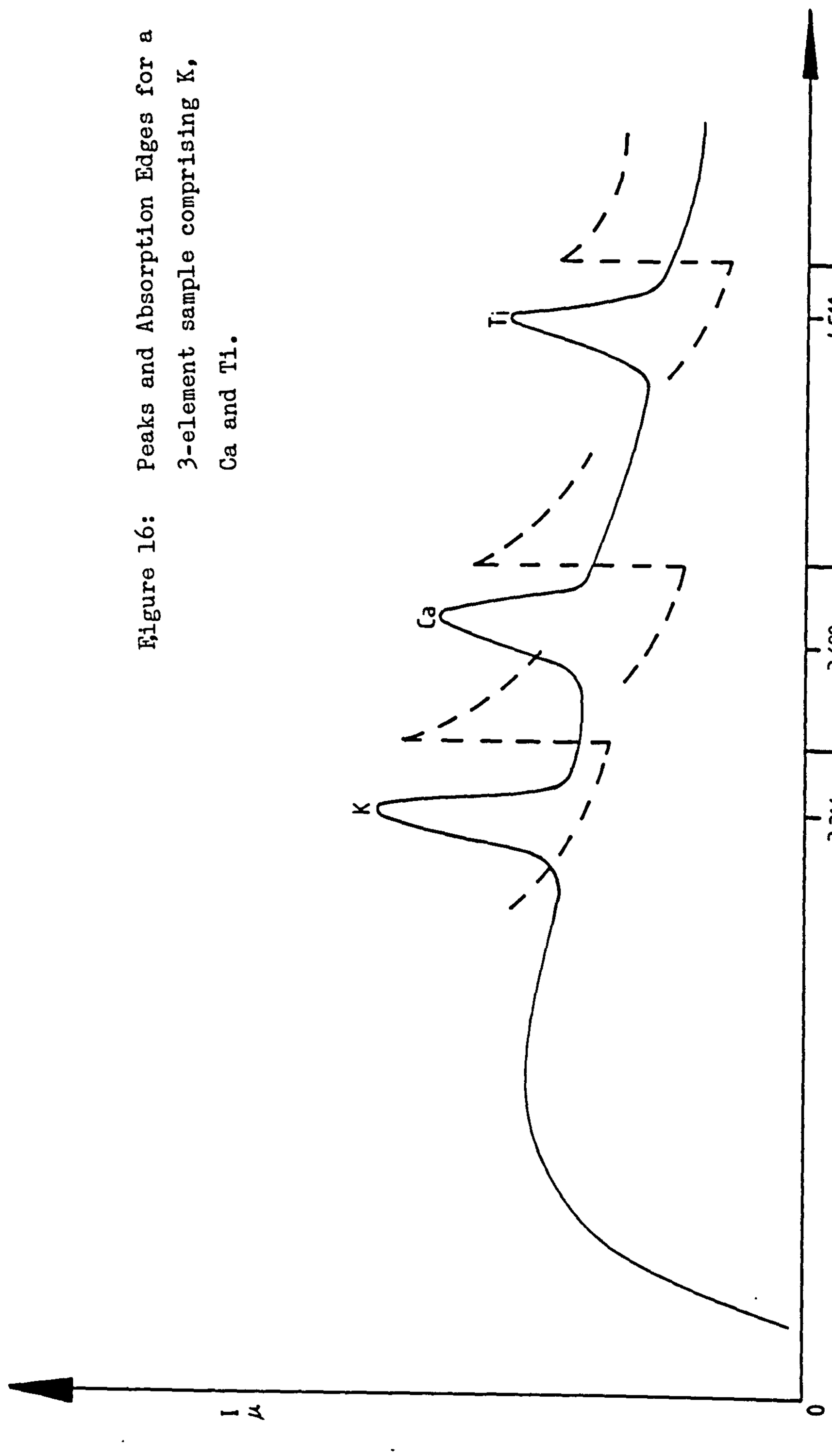


Figure 15: CaK_α lines (represented by one peak) and mass absorption coefficient for Ca.

Figure 16: Peaks and Absorption Edges for a 3-element sample comprising K, Ca and Ti.



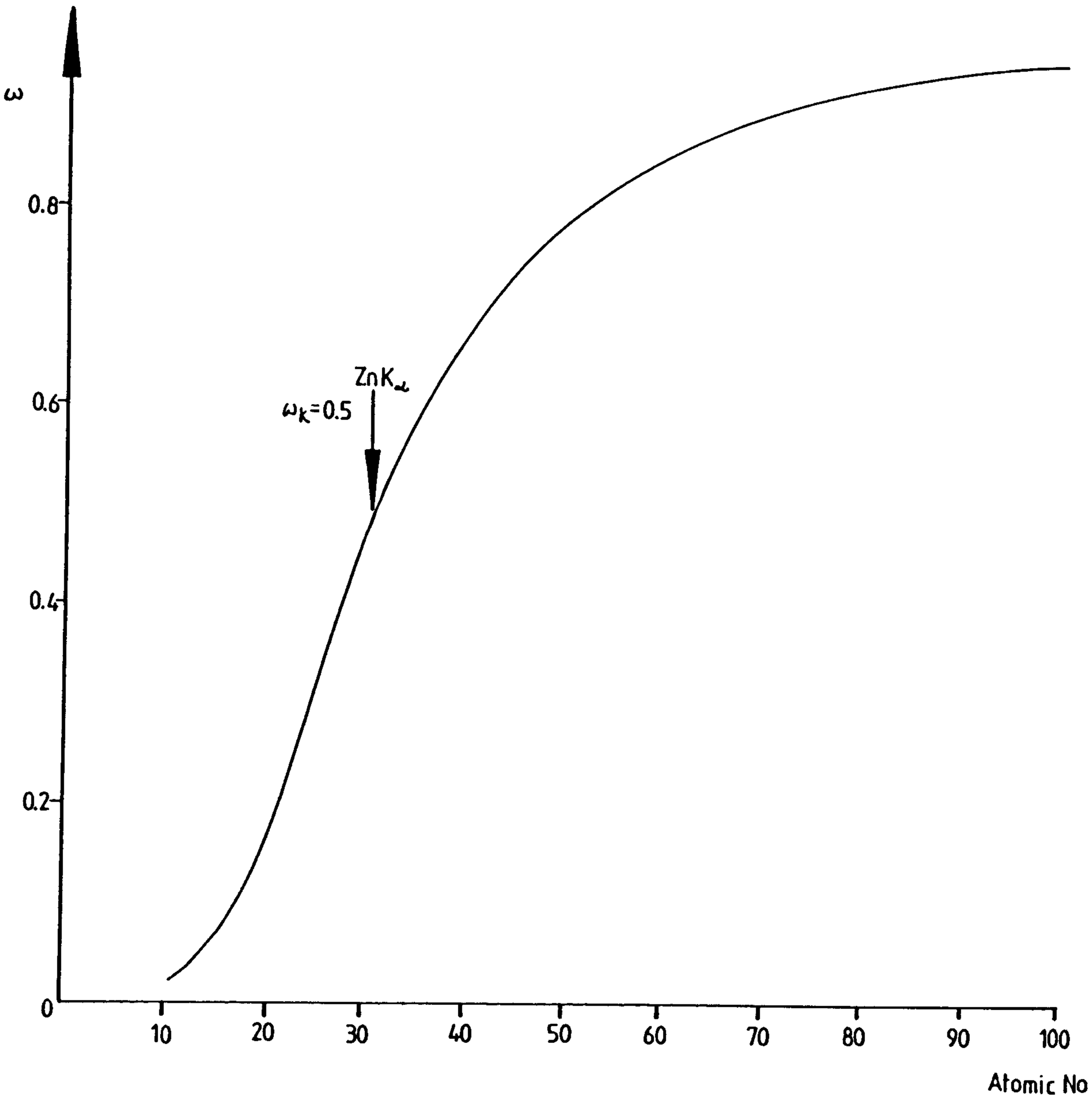


Figure 17: Fluorescent yield as a function of atomic number (after Jenkins, 1974, 18)

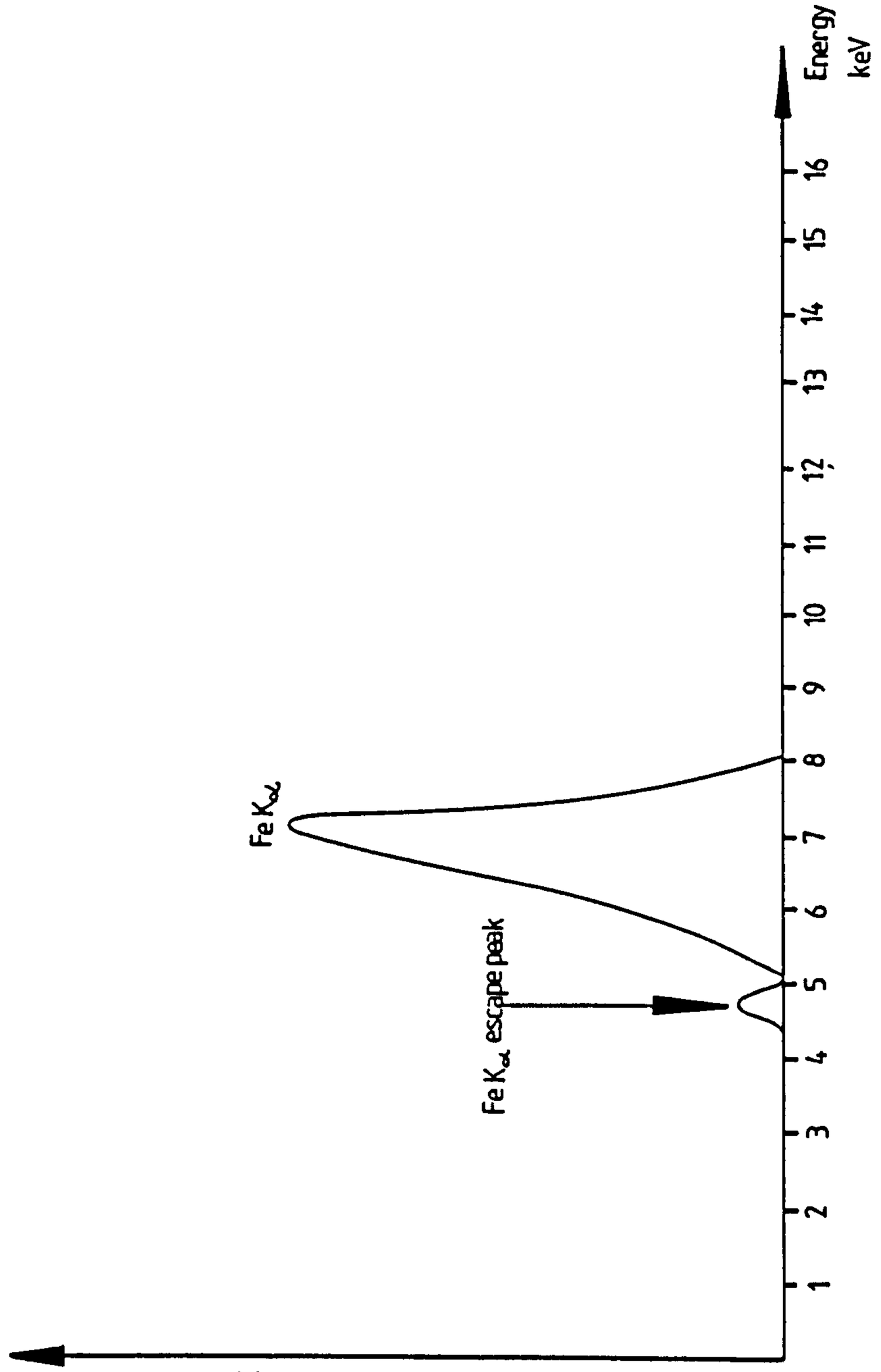


Figure 18: Escape peak for FeK$_\alpha$ due to use of a silicon detector.

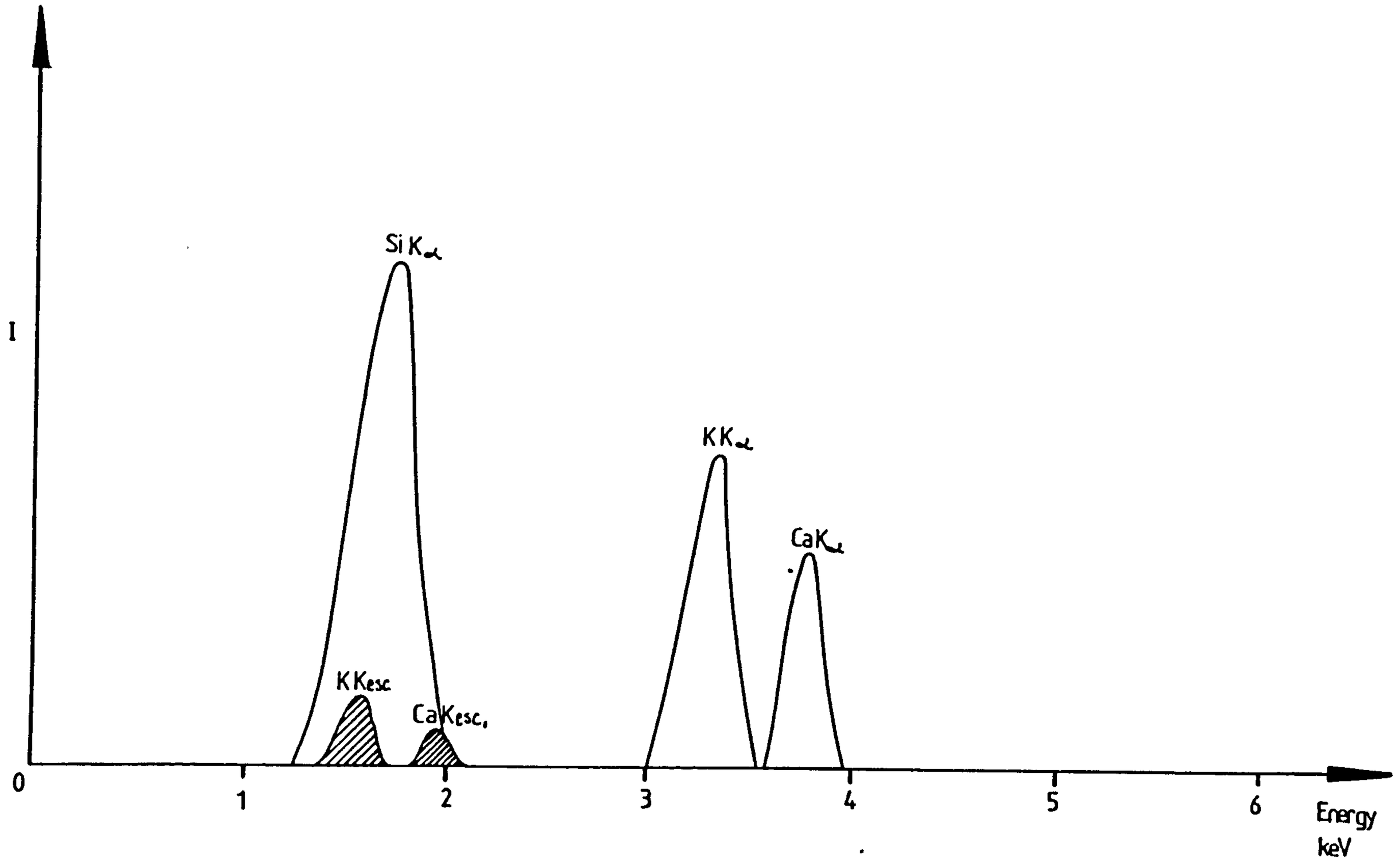


Figure 19: Escape peak interference of potassium and calcium escape peaks on silicon (silicon detector).

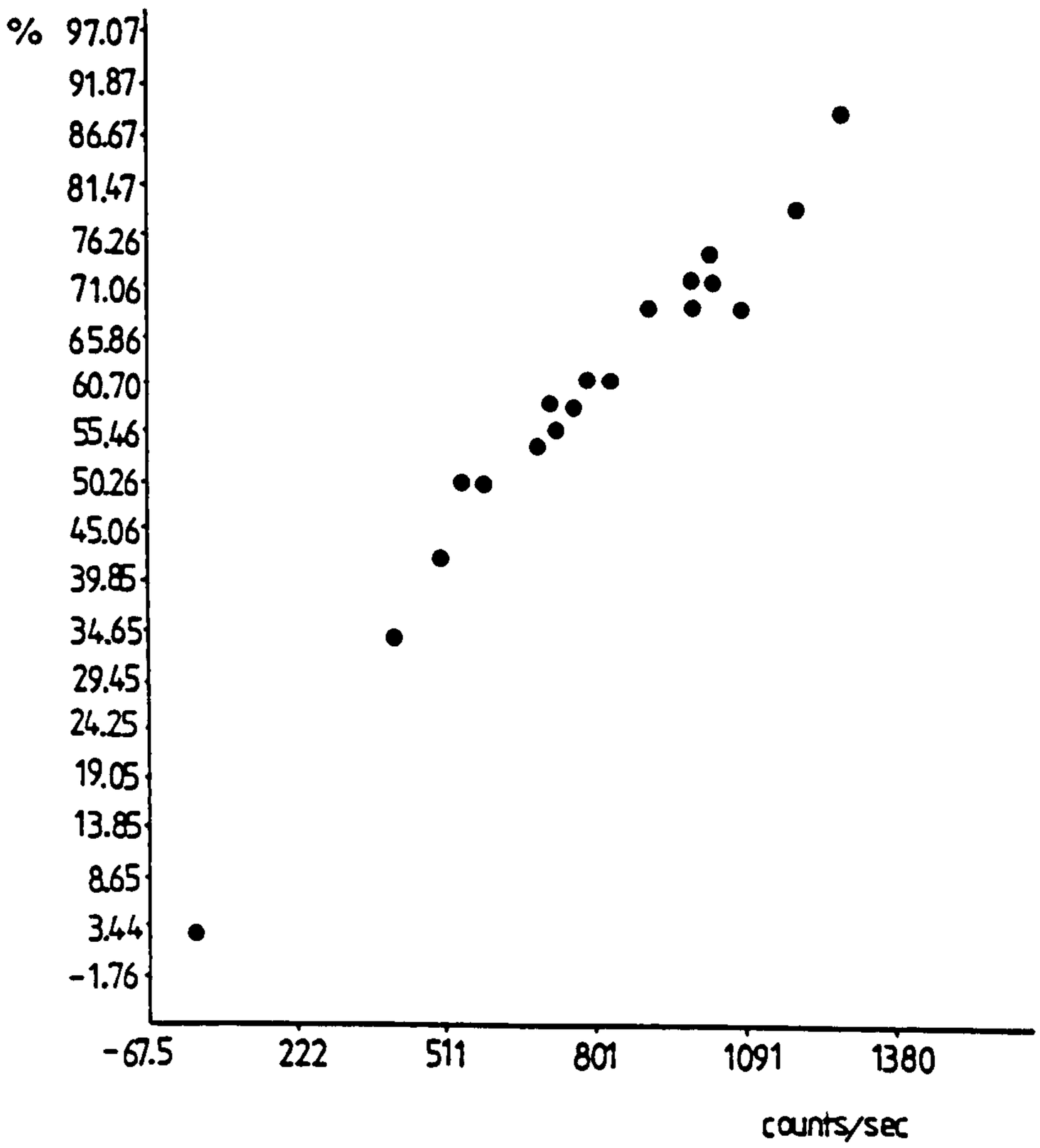


Figure 20: Calibration line for Si (before specifying interelement interference).

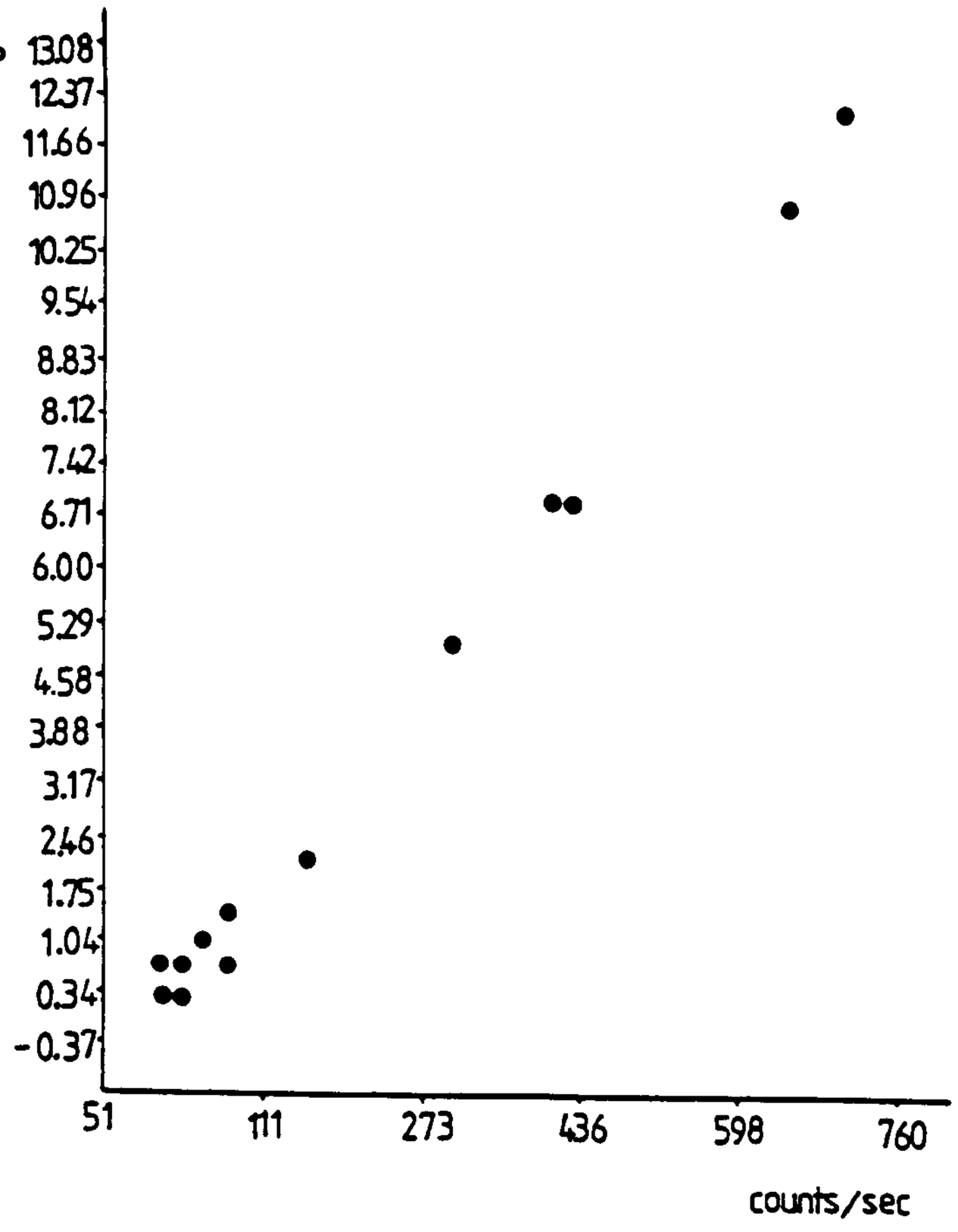


Figure 21: Calibration line for Ca (before specifying interelement interference).

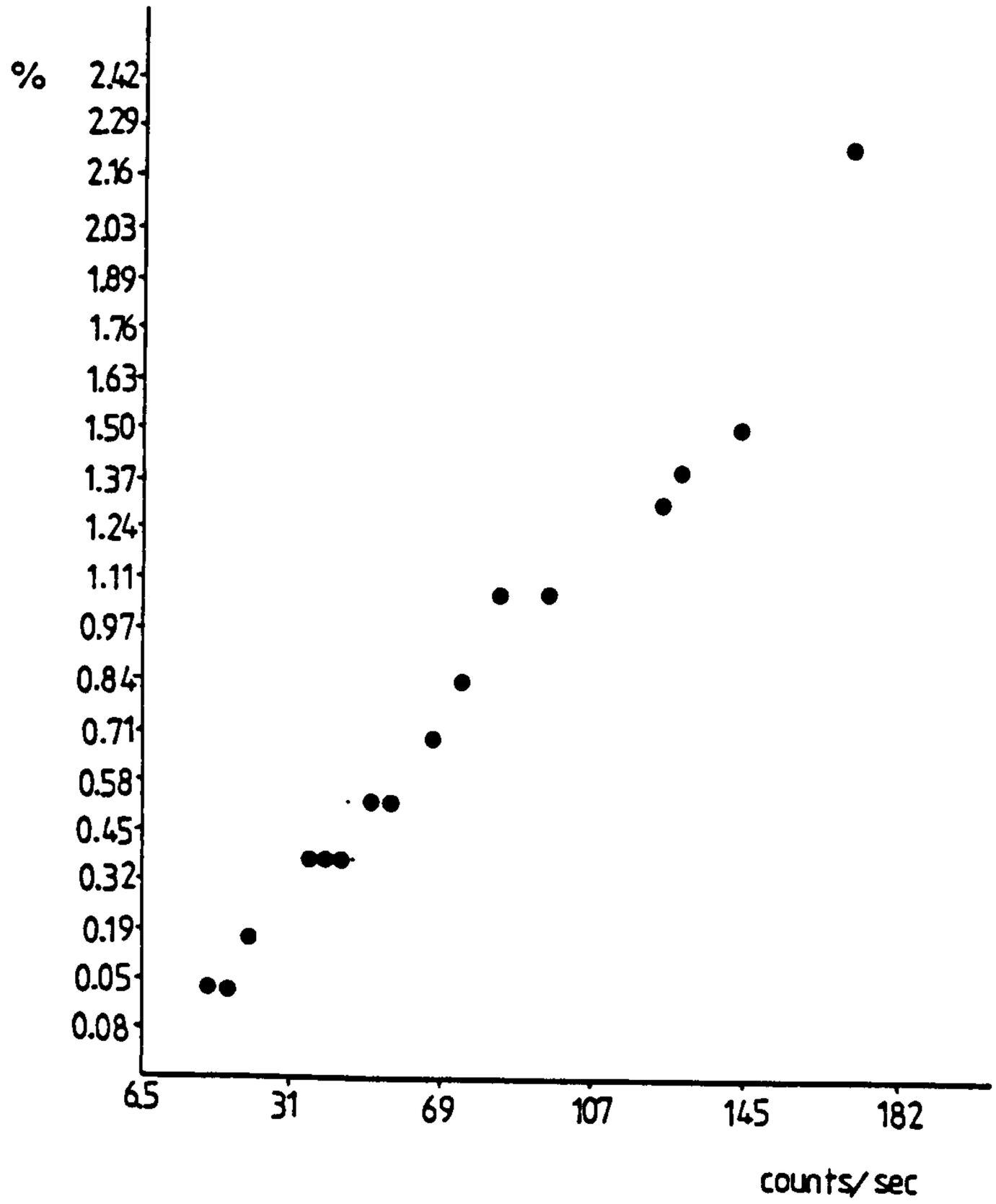


Figure 22: Calibration line for Ti (before specifying interelement interference).

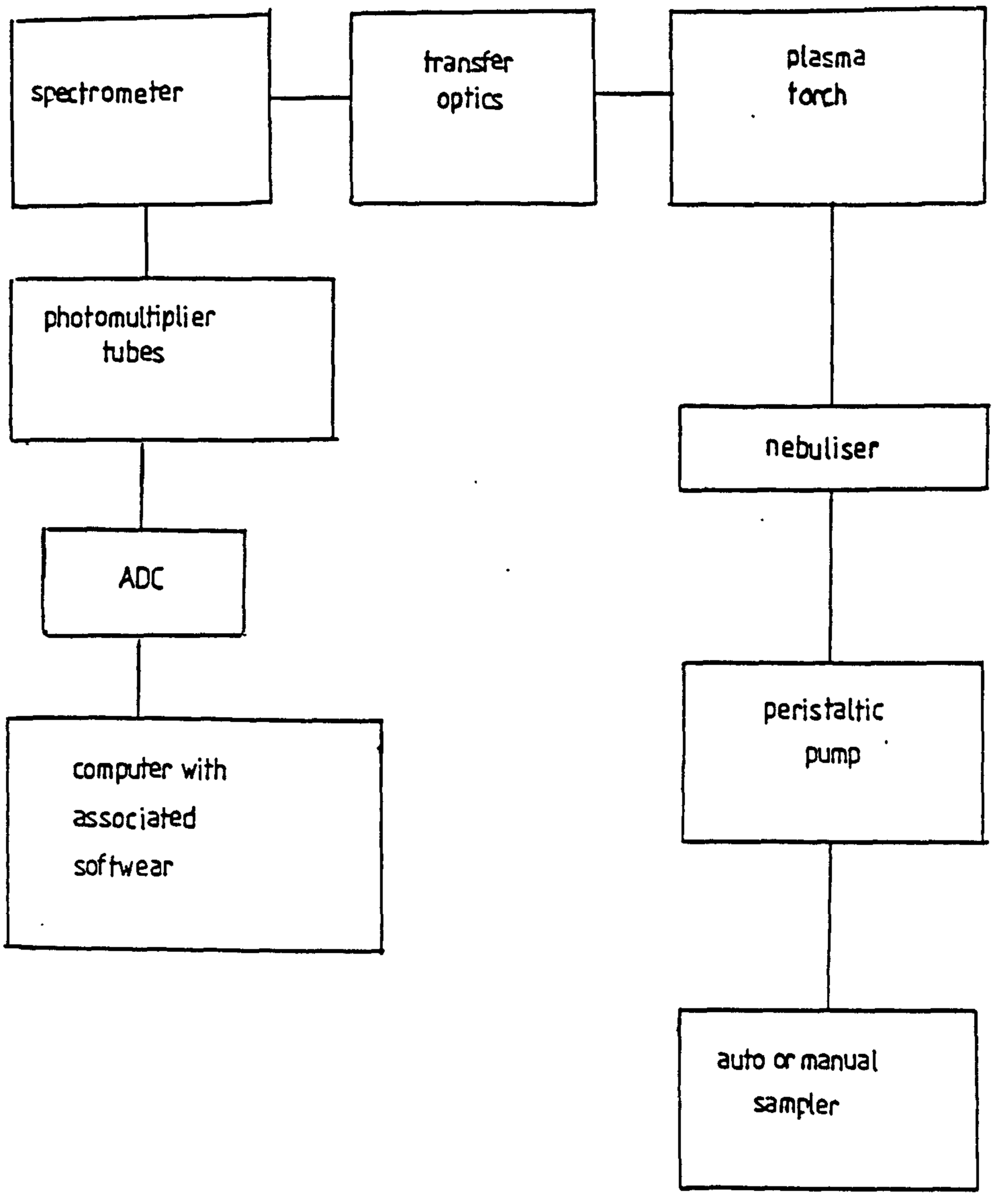


Figure 23: Block diagram of ICPS equipment.

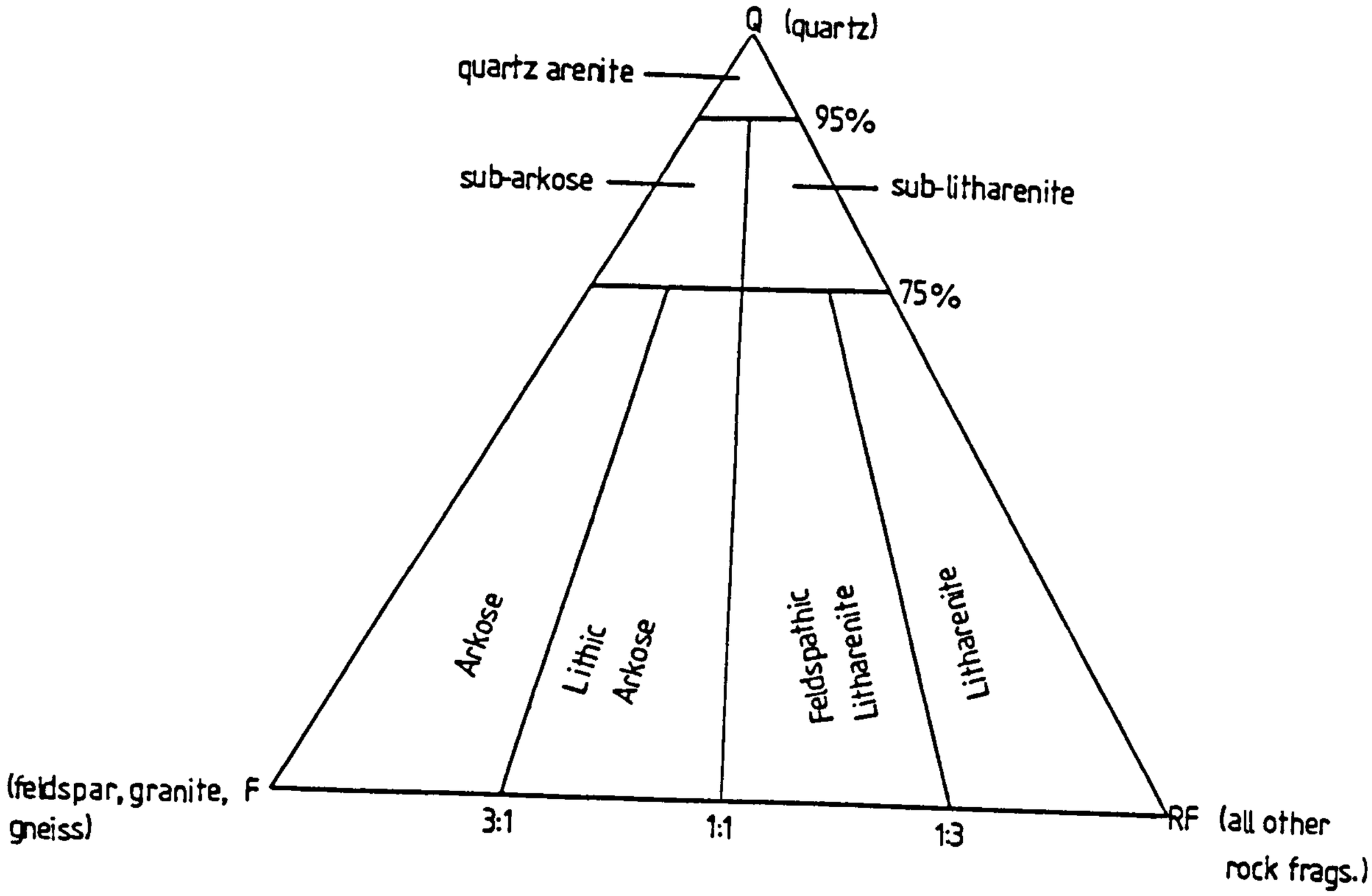


Figure 24: Classification of rocks containing less than 15% fine-grained matrix, in terms of quartz, feldspar and other rock fragments (after Adams et al, 1984, Fig B, page 24).

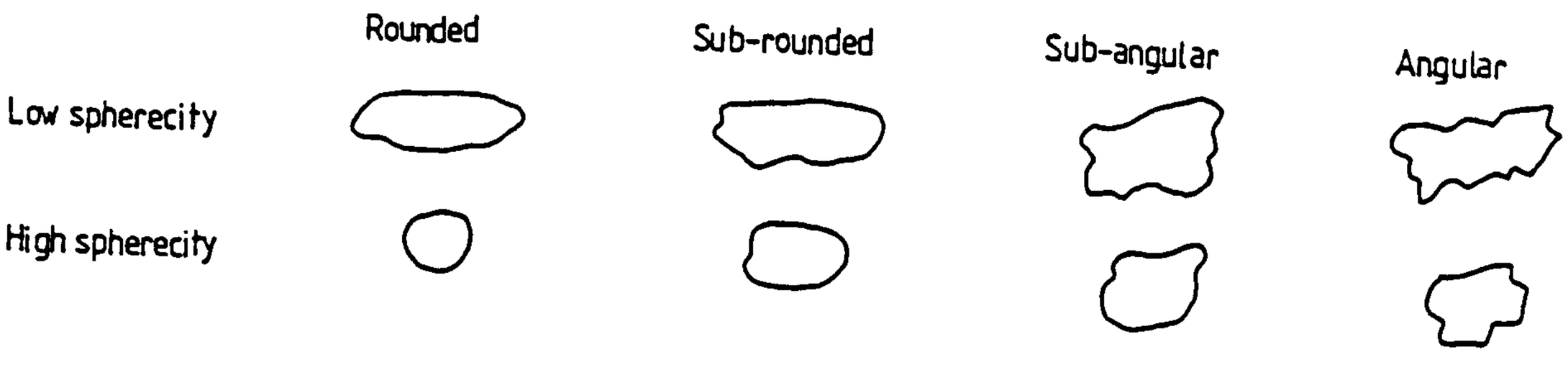
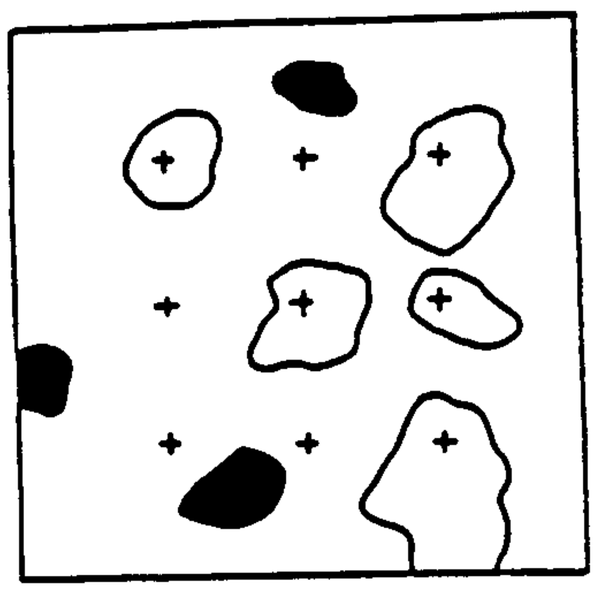
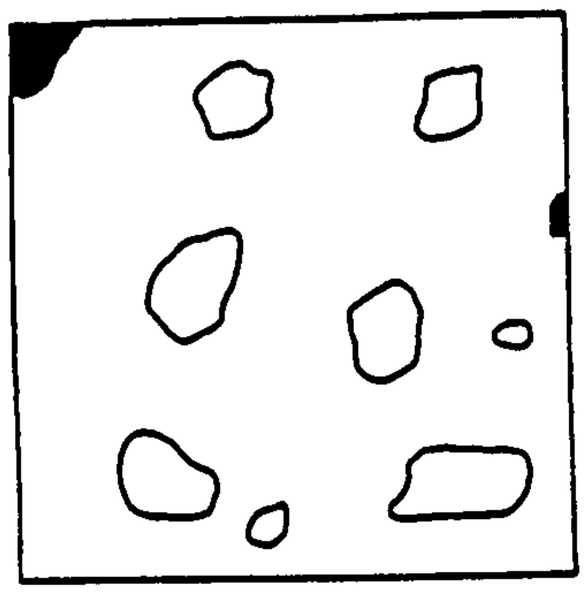


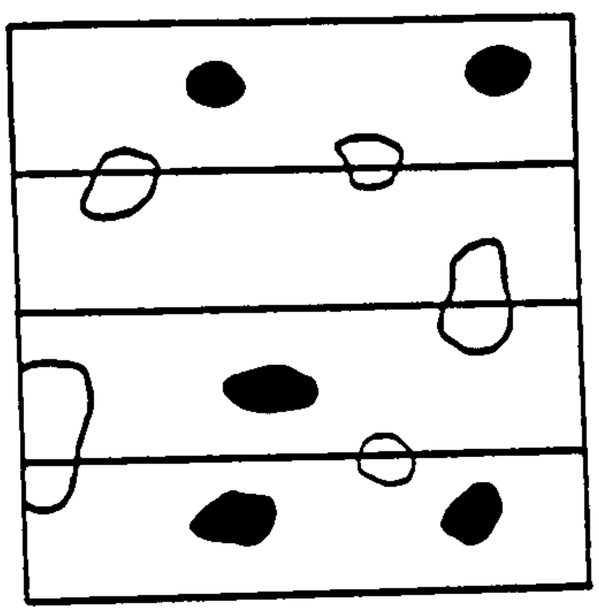
Figure 25: Key for description of the shape of minerals and rock fragments in thin section (after Adams et al, 1984, Fig A, page 3).



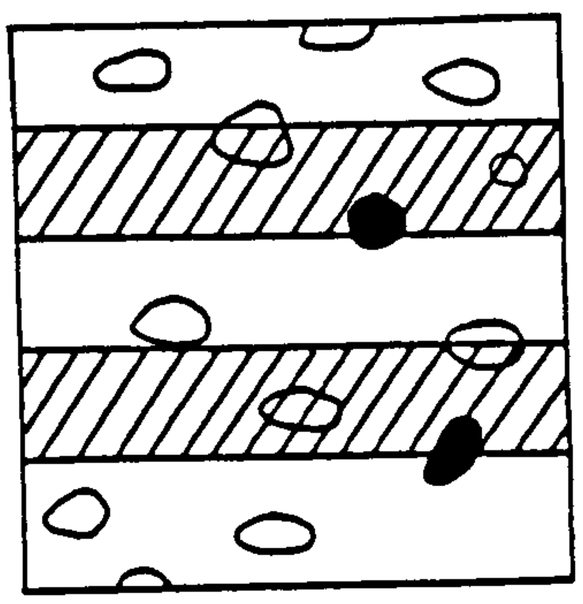
A



B



C



D

Figure 26: Methods of thin section grain counting, (after Middleton et al, 1985, 67, fig 3).

A = point counting

B = area counting

C = line counting

D = ribbon counting

(shaded grains = not counted)

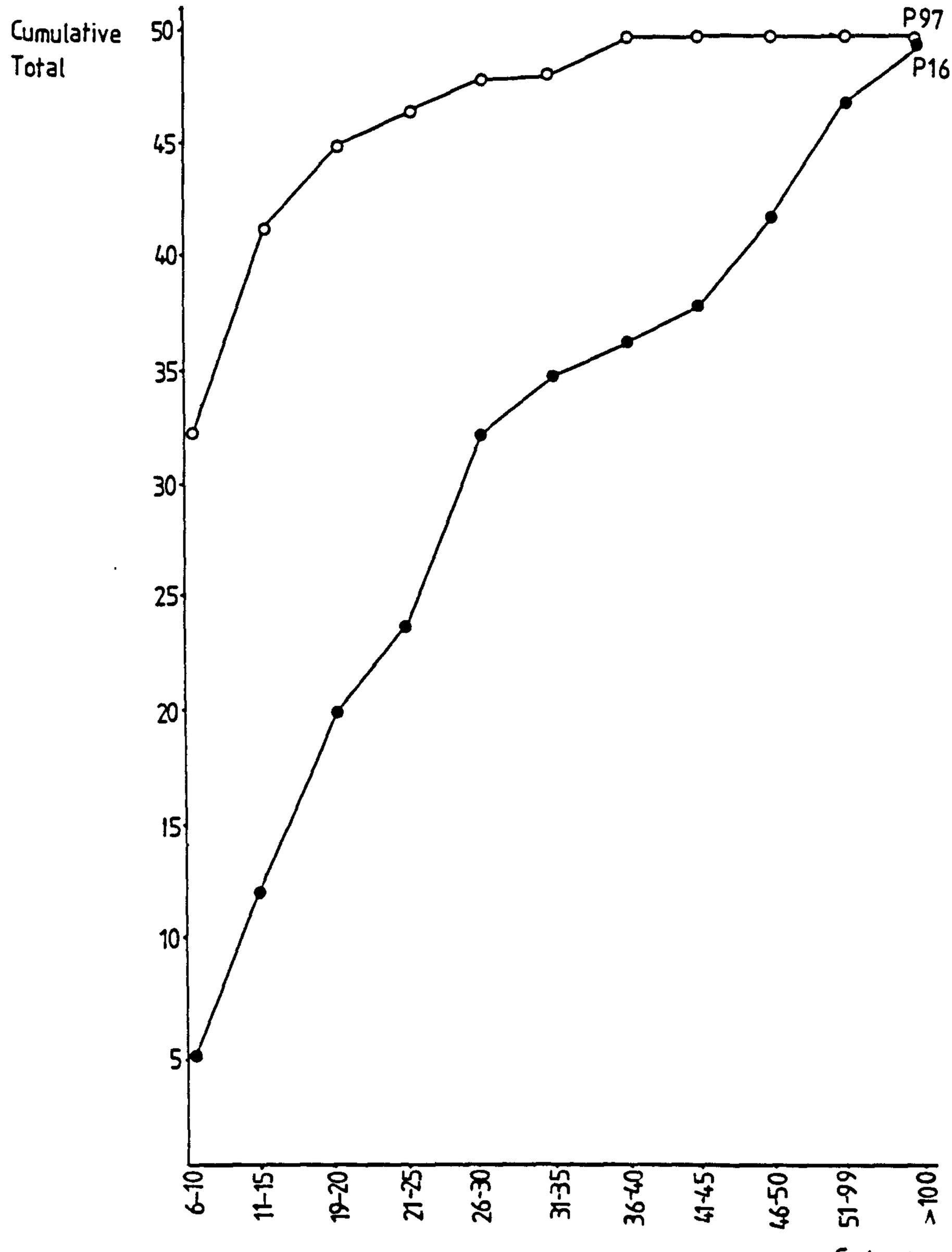
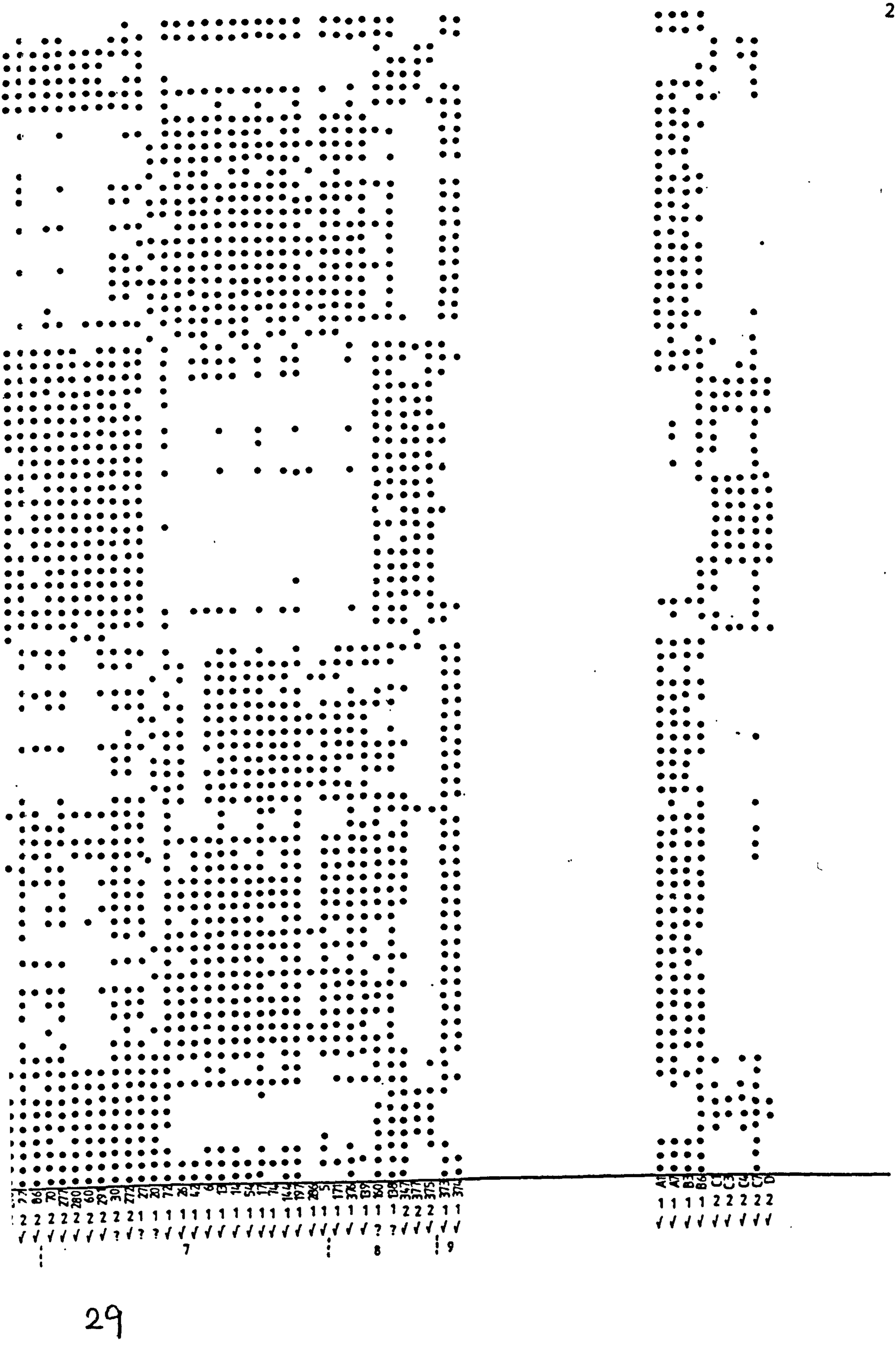


Figure 27: Cumulative frequency graphs of grain size data for samples P16 (Matrix 1) and P97 (Matrix 2). Scale - 10 divisions = 0.05mm.

Fig 28 : Grain-size Matrix (see p164-6, Vol 1)



29

RIM	PHASE						
	1.1	1.2	2.1	2.2	2.3	3.1	3.2
Unstan	3	2					
 plain	4	12		21	19	34	5
 flattened	1	4	1	3	10	16	1
 inner lip		1		7	2		
 outward sloping		1			1	1	
 inward sloping	7	5			5		
 inverted	2	14			1	1	
 grooved		3			1		
 shouldered		2					
 inner shelf					3		
 scalloped					35	4	
 notched					6		

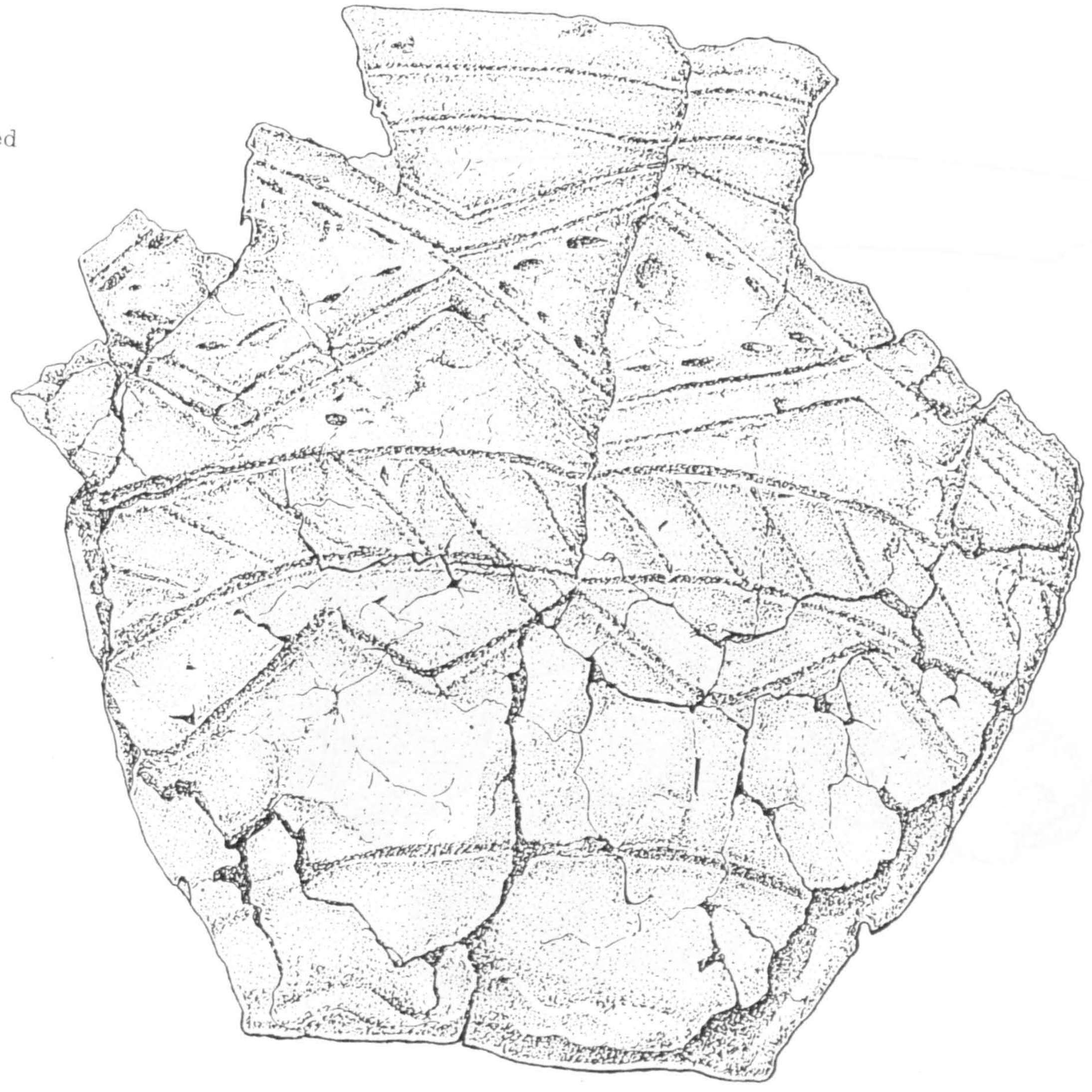
Figure 29: Neolithic rim types by phase.

BASE	PHASE 1.1	1.2	2.1	2.2	2.3	3.1	3.2
plain angled		1	1	16	44	69	3
bucket	1					18	3
thumb pot	1	1					
rounded	1	4					
baggy	4	12					
'tulip'			1				
barrel			1			3	
rectangular						2	

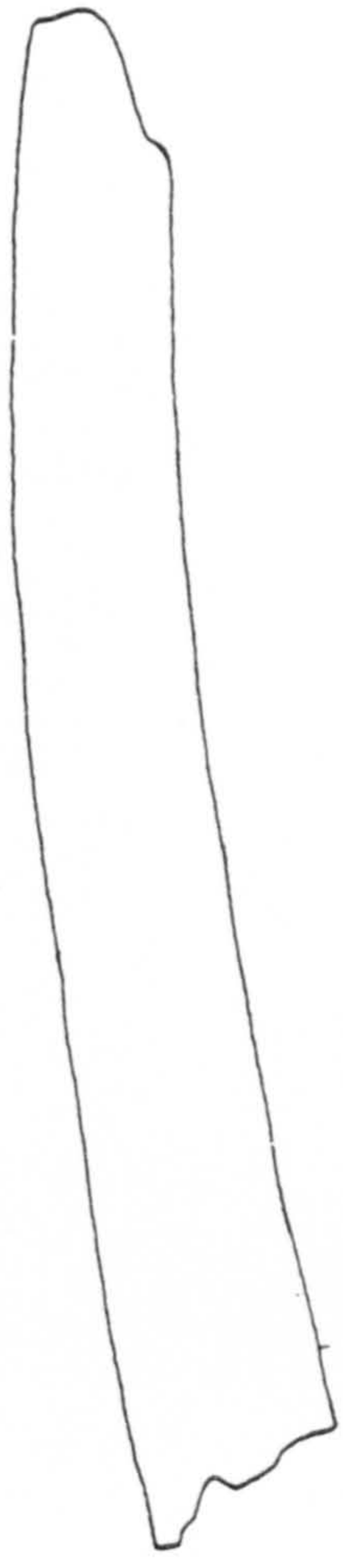
Figure 30: Neolithic basal forms by phase.

Figure 31: Phase 1 decorated sherds from Pool.
a = Unstan type, b = finger-impressed.

Figure 32: Phase 2 decorated 'baggy' vessel.



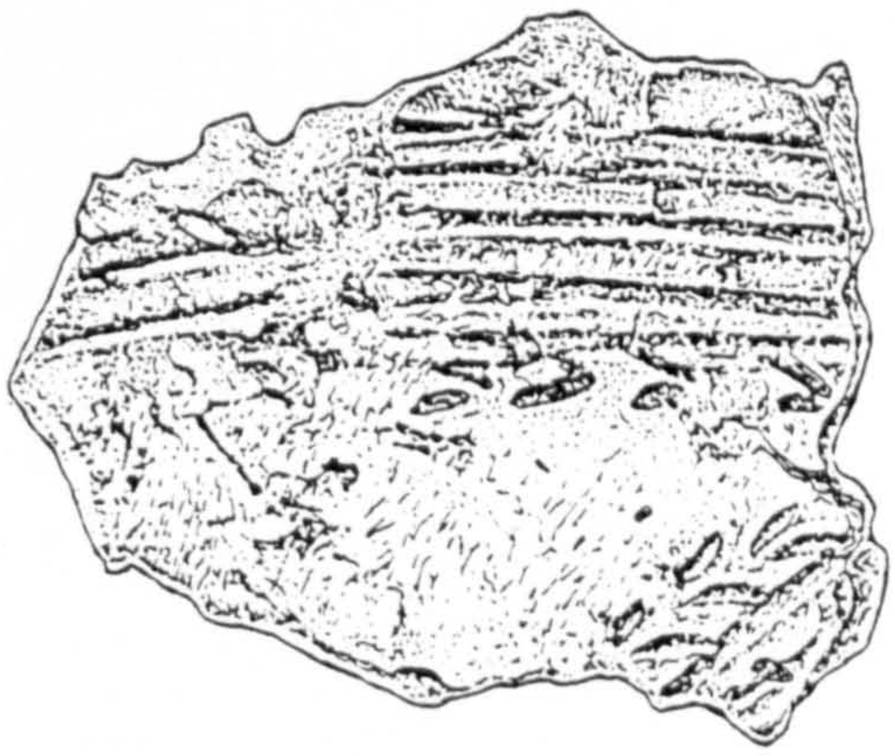
4128



5066

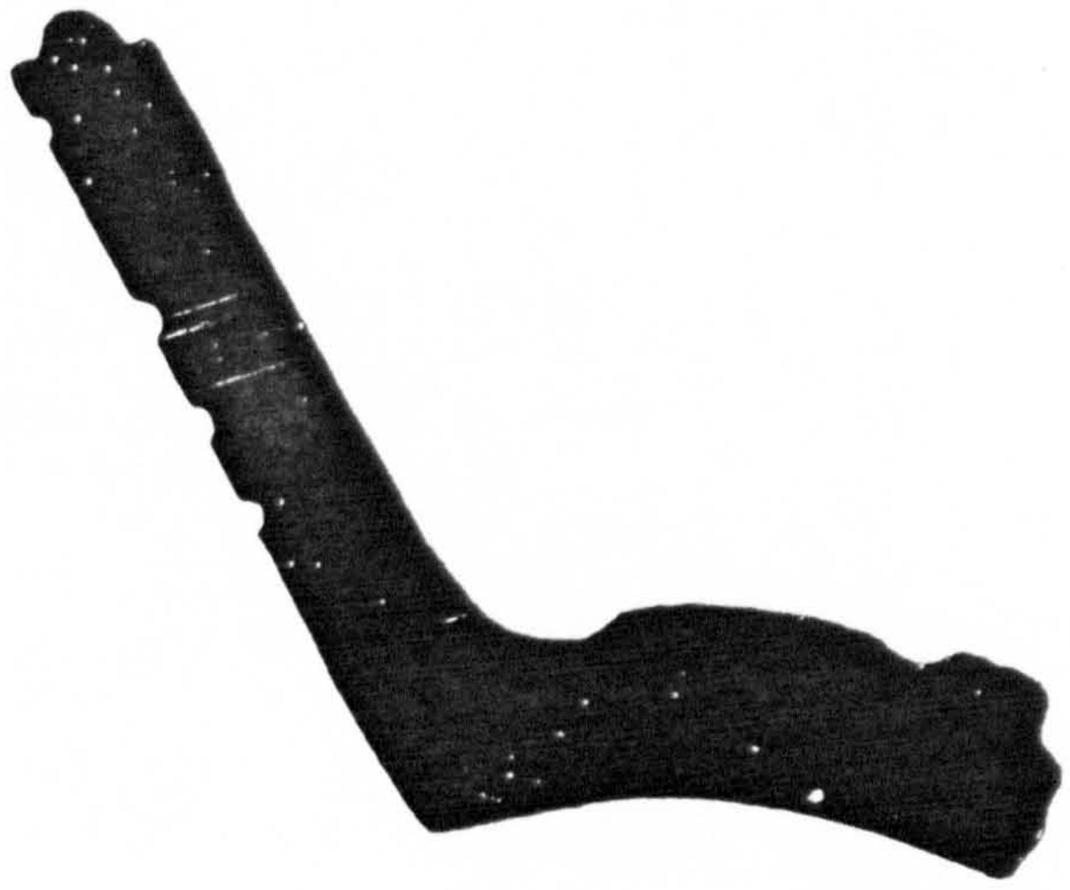
a

4367



b

Figure 33: Phase 2 decorated pottery
a = random incised lines, b = filled chevrons



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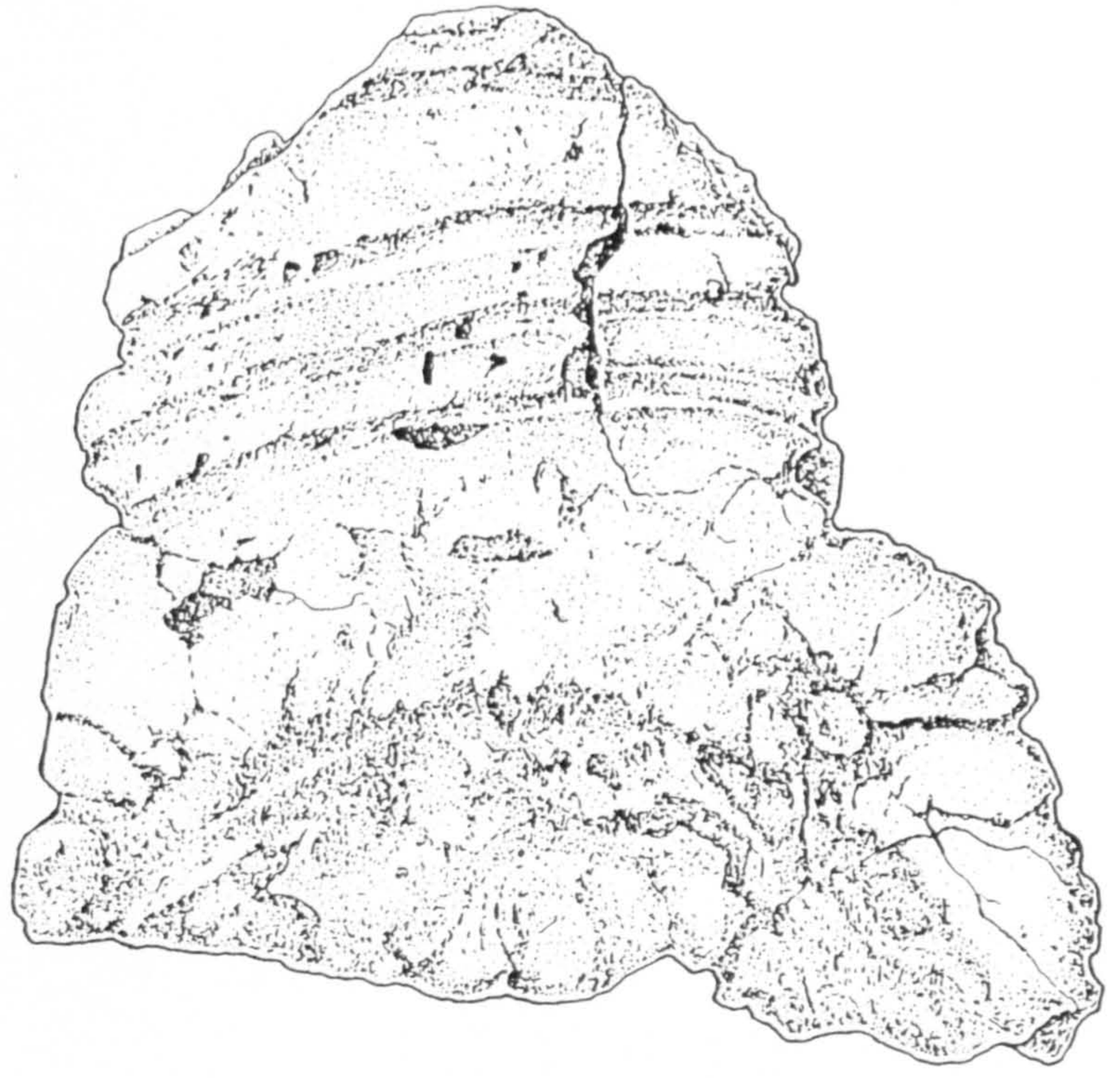
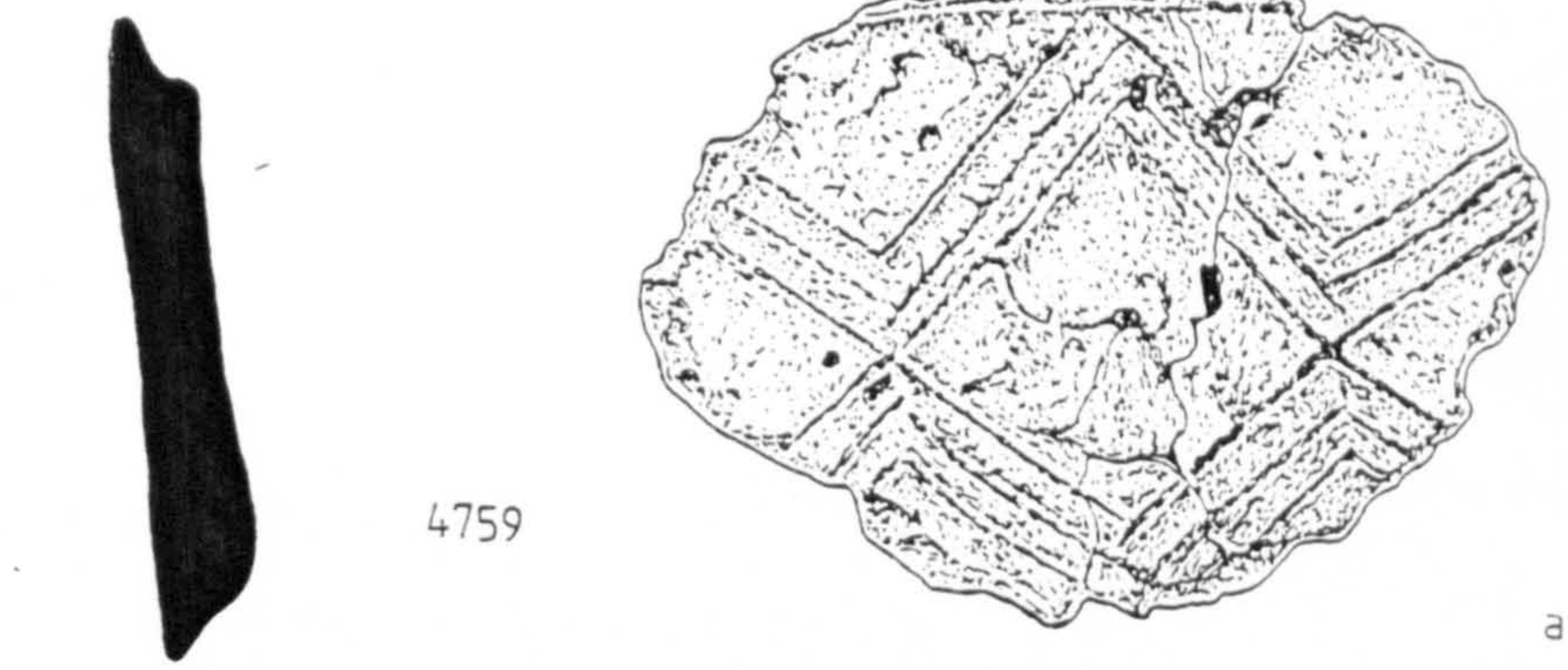


Figure 34: Incised decorated pottery from Pool (Phase 2).



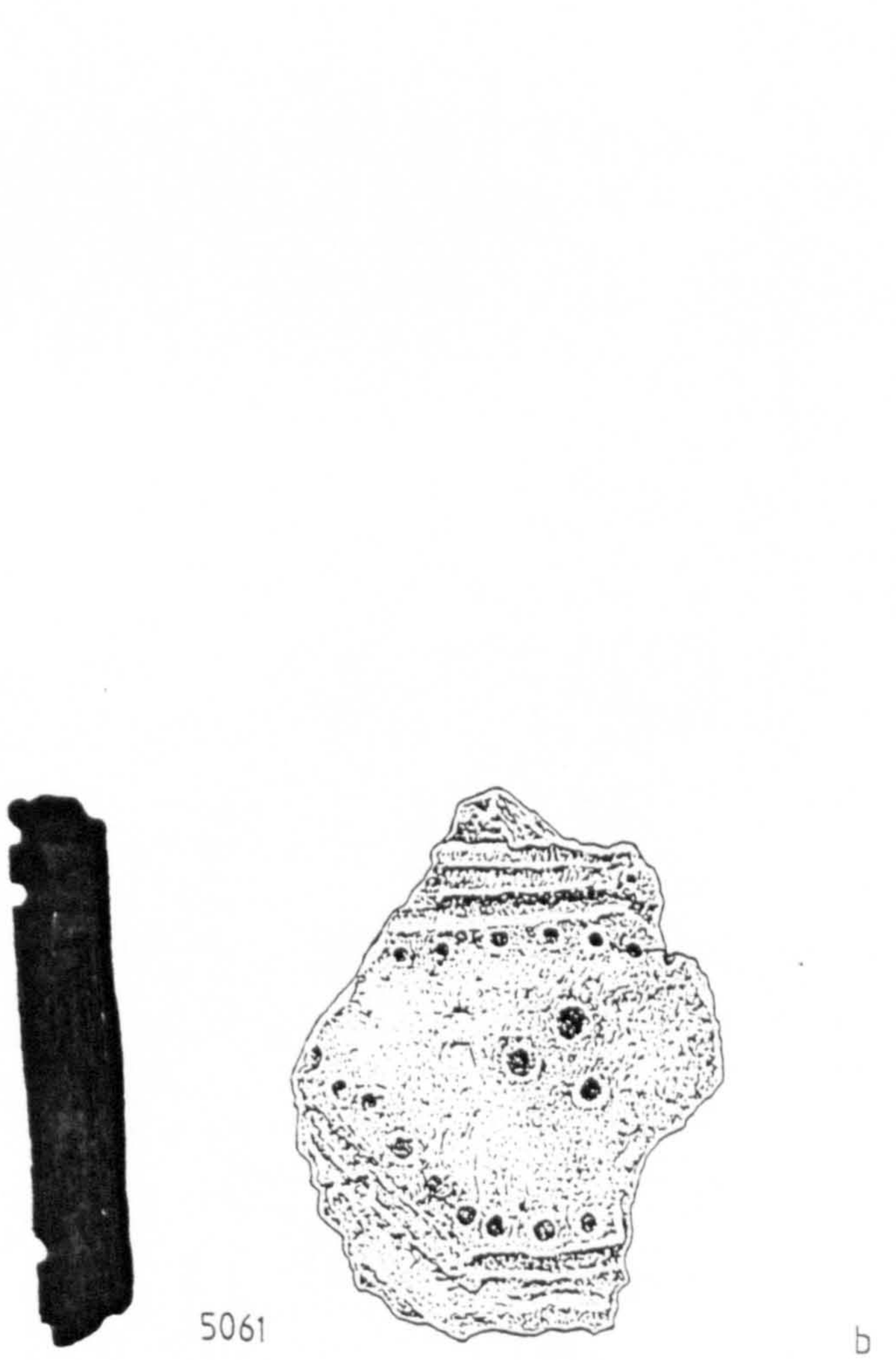
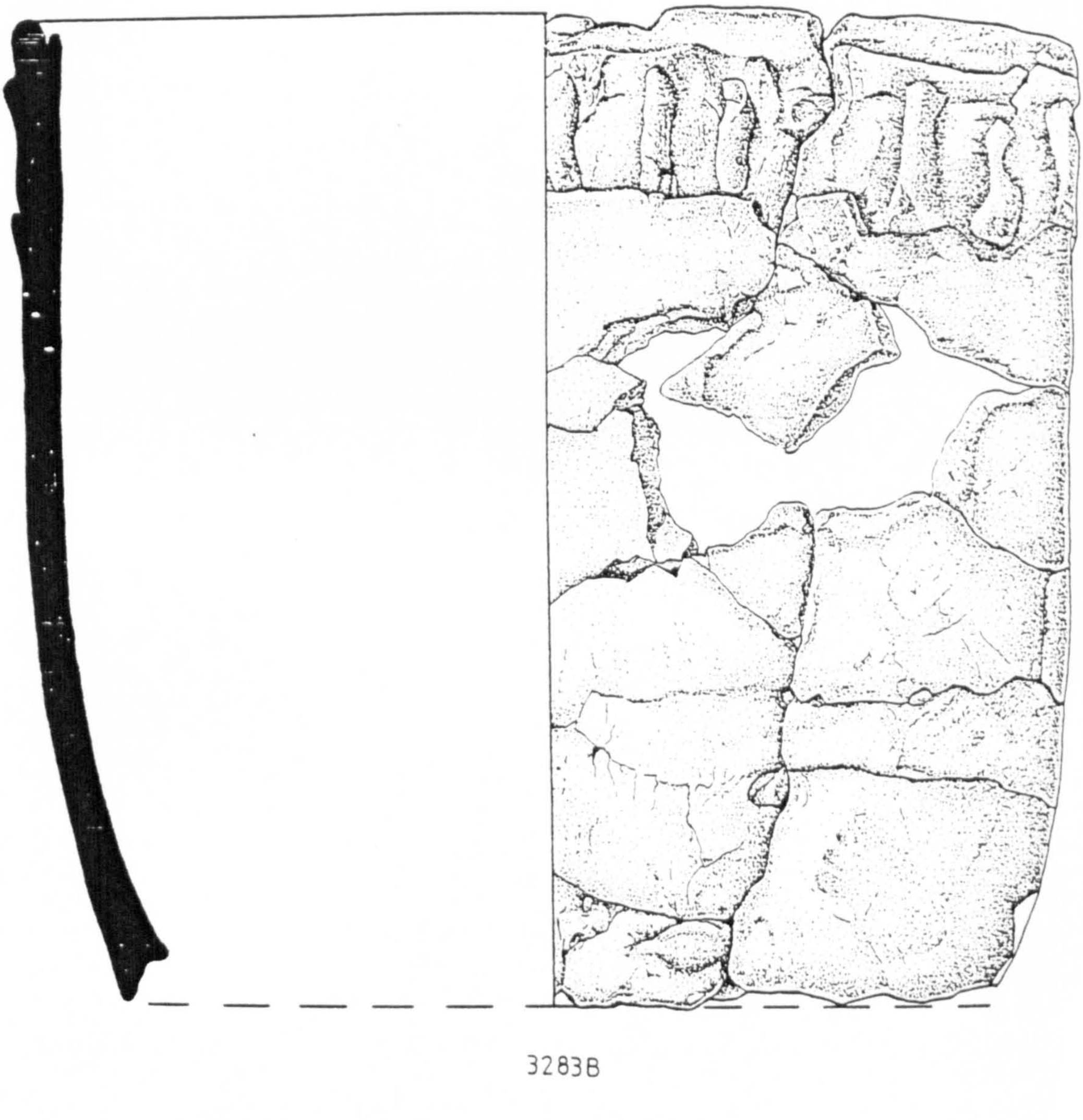
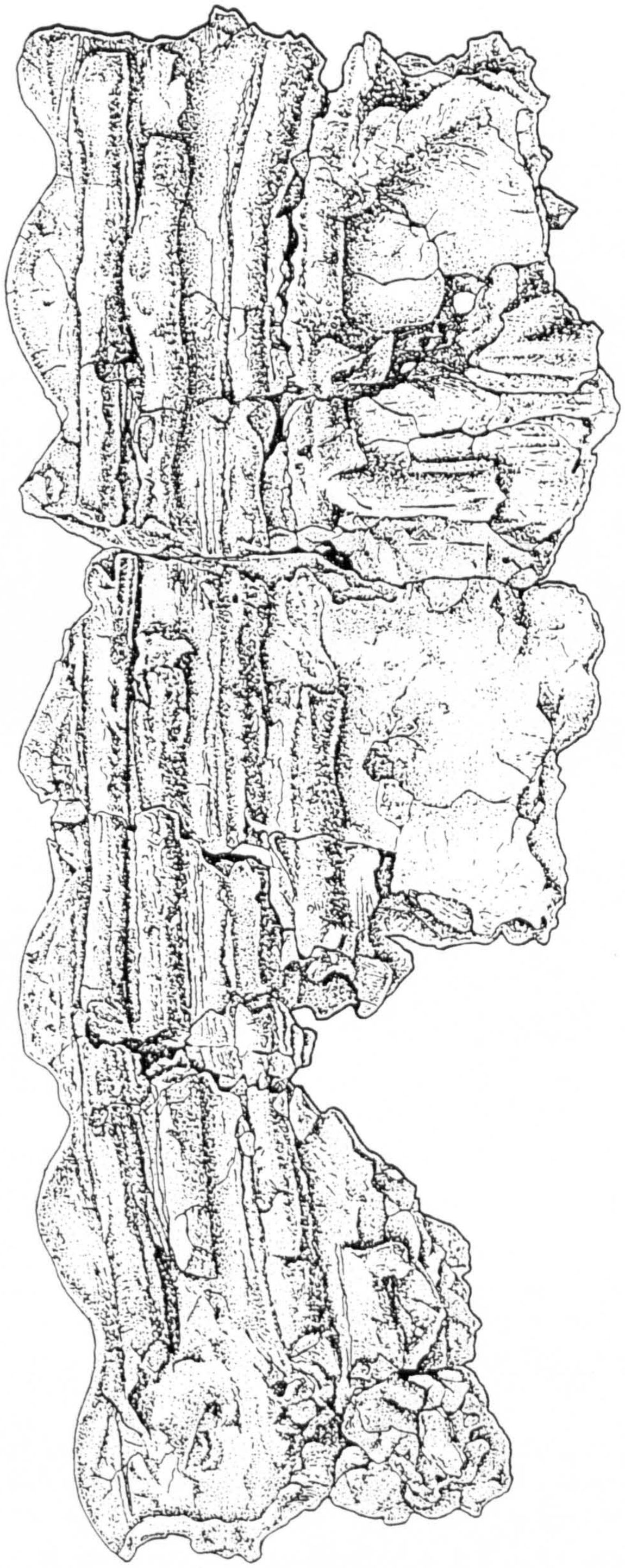


Figure 35: Pool Phase 2 incised chevron decorated pottery.



3283B

Figure 36: Phase 3 bucket-shaped vessel with 'ladder' decoration.



3670A

Figure 37: Phase 3 scalloped rim with applied decoration (parallel and branching rills).

3539

a

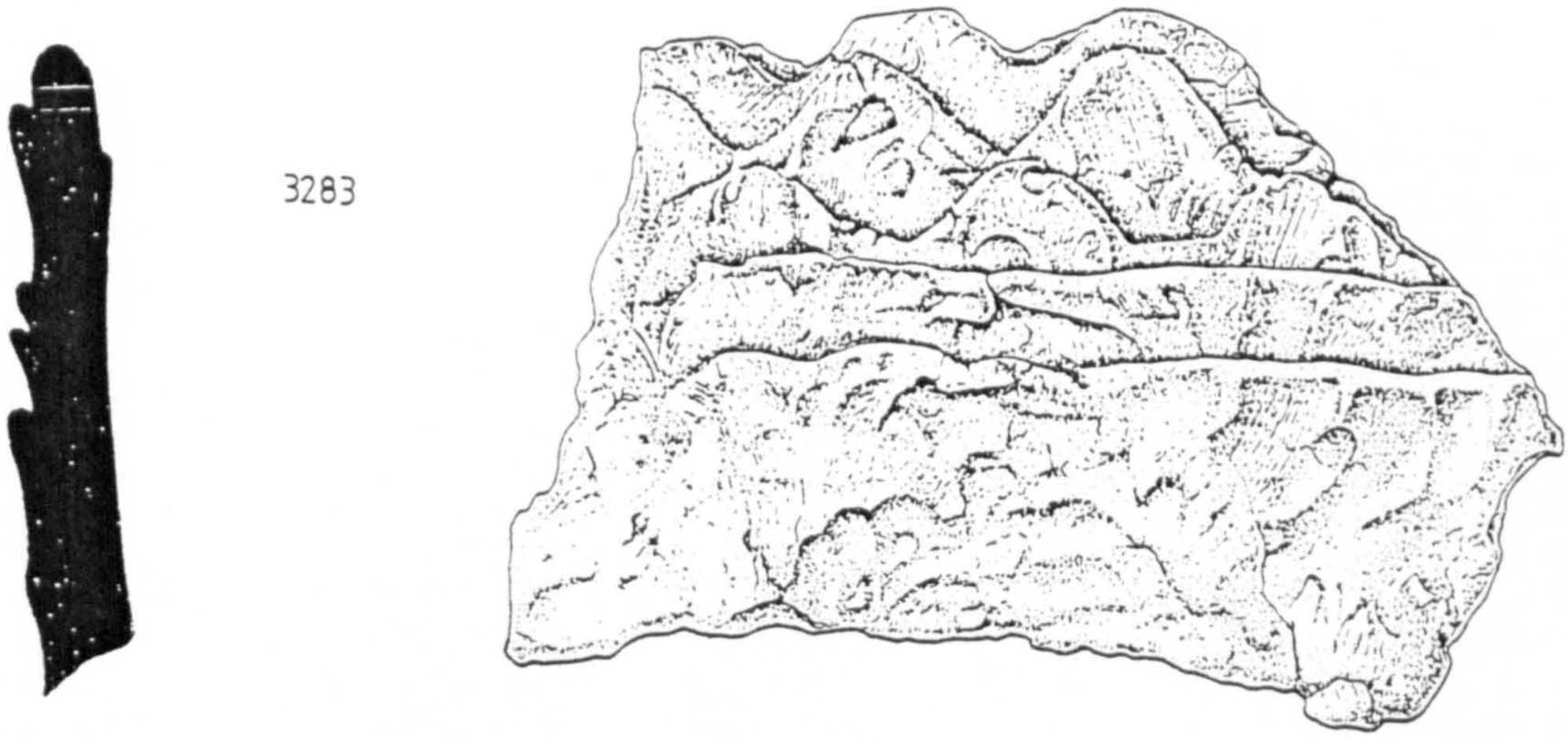
3514 B

b

Figure 38: Phase 3 bases.

a = square base

b = decorated base



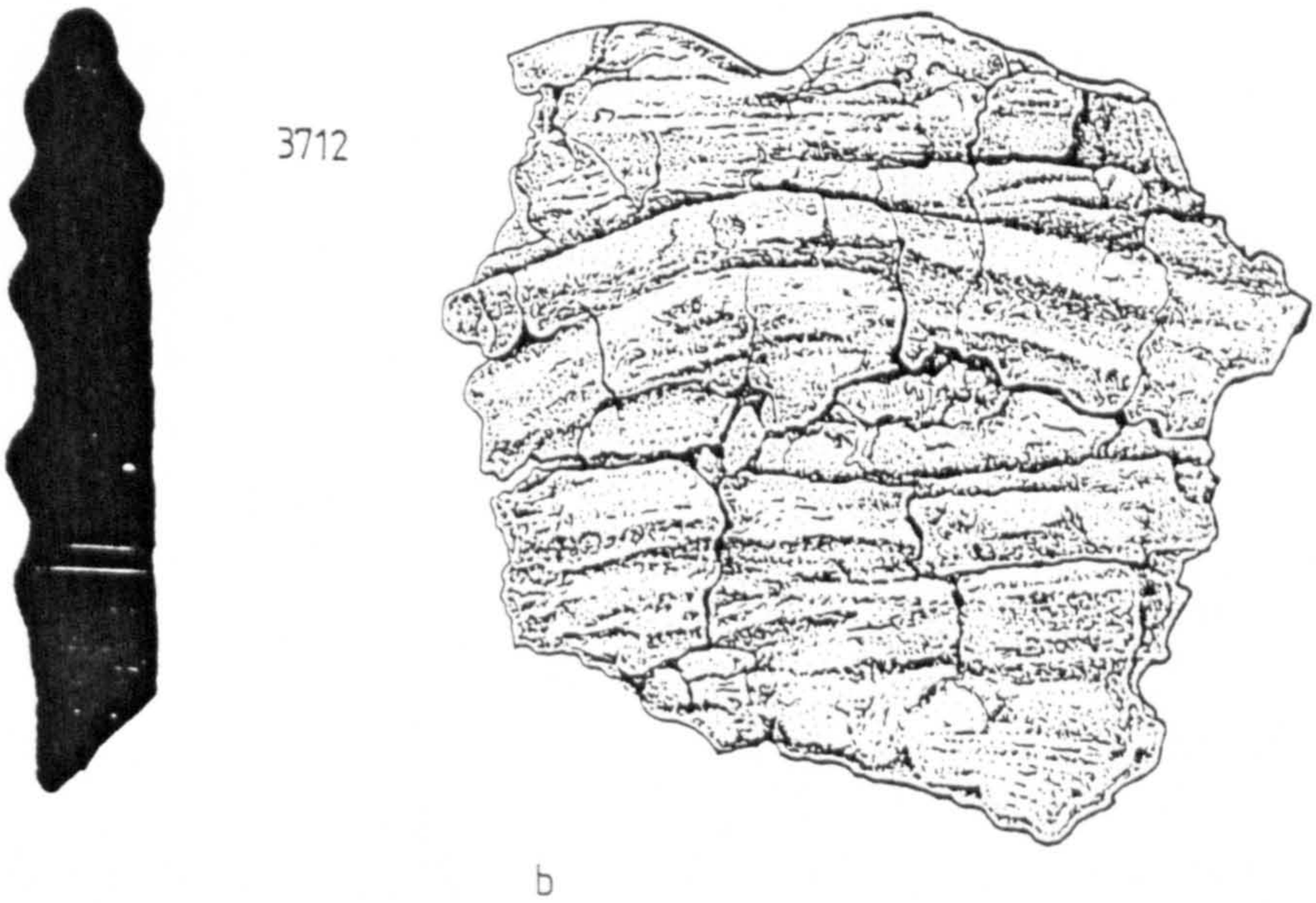


Figure 39: Phase 3 applied decoration.
a = fish-scale
b = wavy and straight rills

3998A

3516

3283C

Figure 40: Phase 3 decoration - a = incised relief, b = opposing wavy, c = trellis.

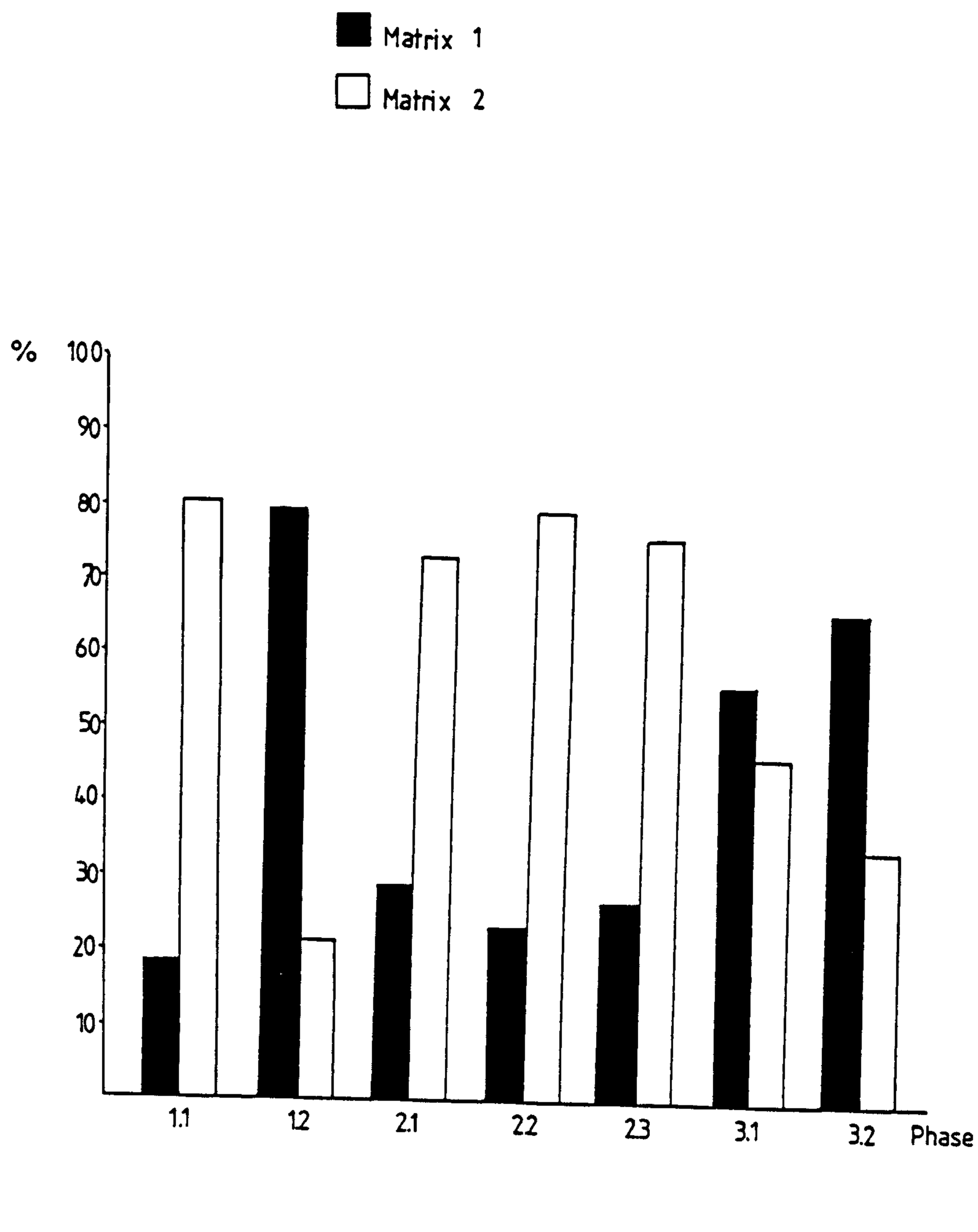


Figure 41: The occurrence of Matrix 1 and Matrix 2 in the Neolithic pottery from Pool, expressed as a percentage of the total number of vessels per phase.

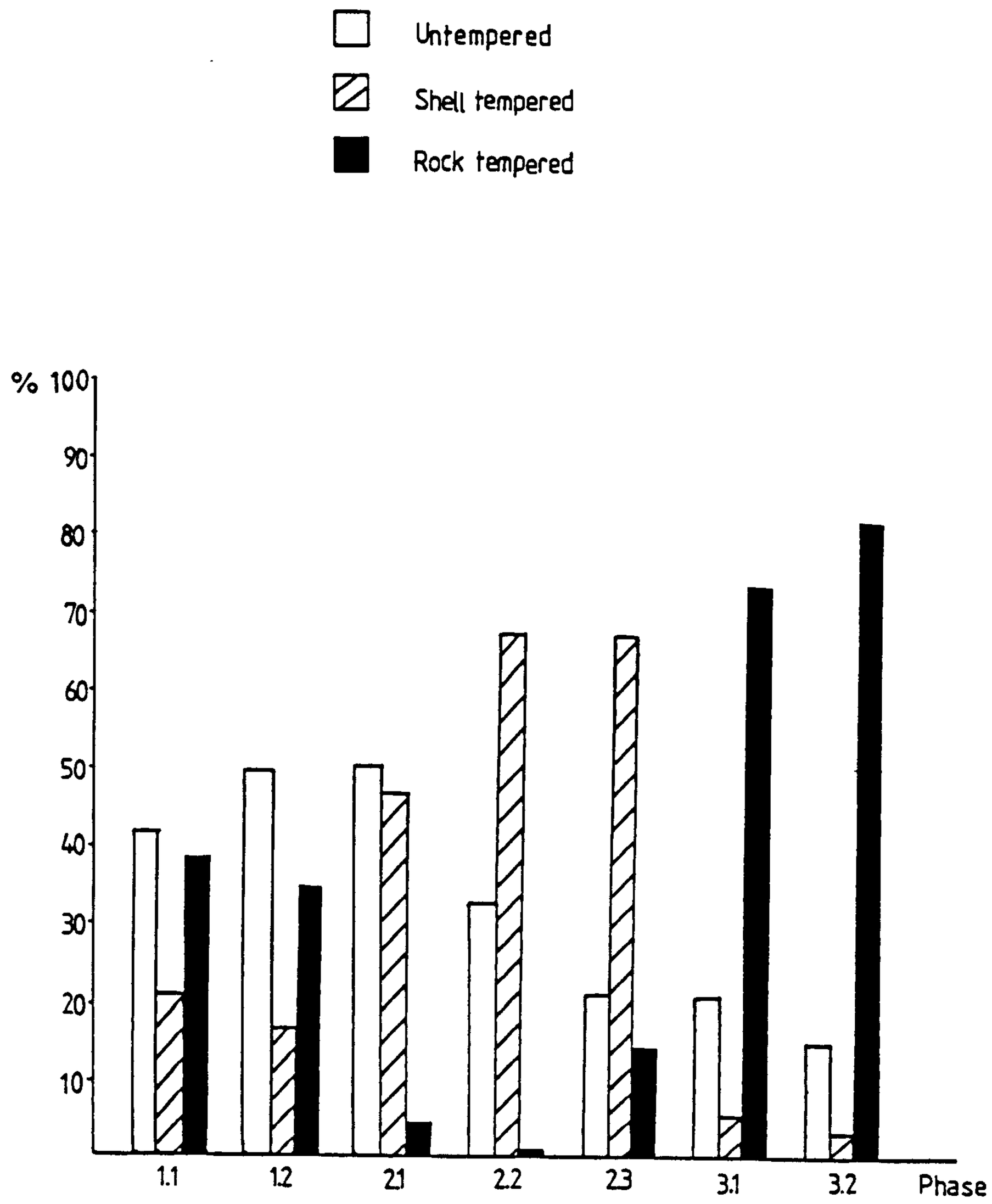
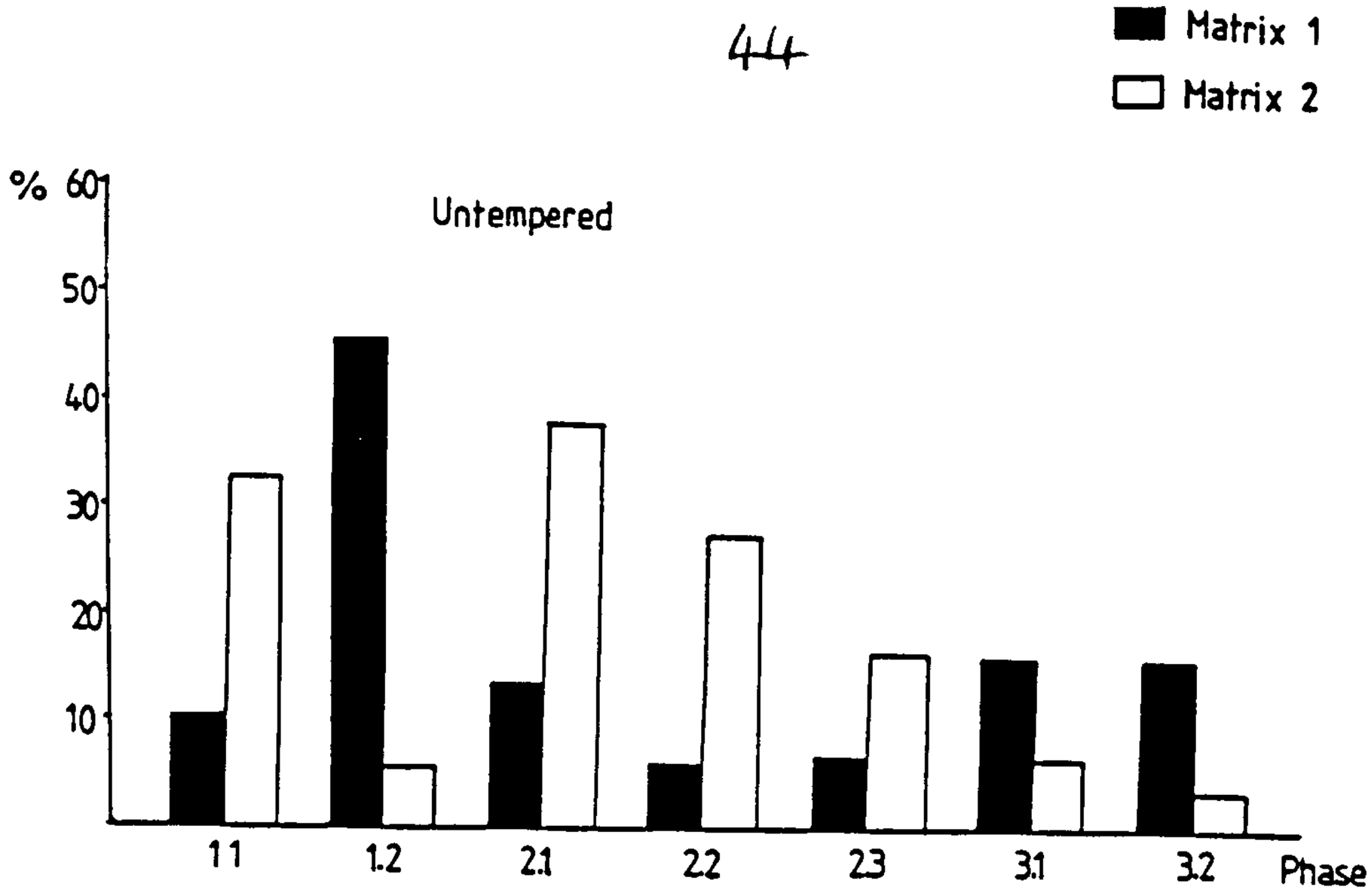


Figure 42: The occurrence of shell and rock tempering in the Neolithic pottery from Pool - expressed as a percentage of the total number of vessels per phase.



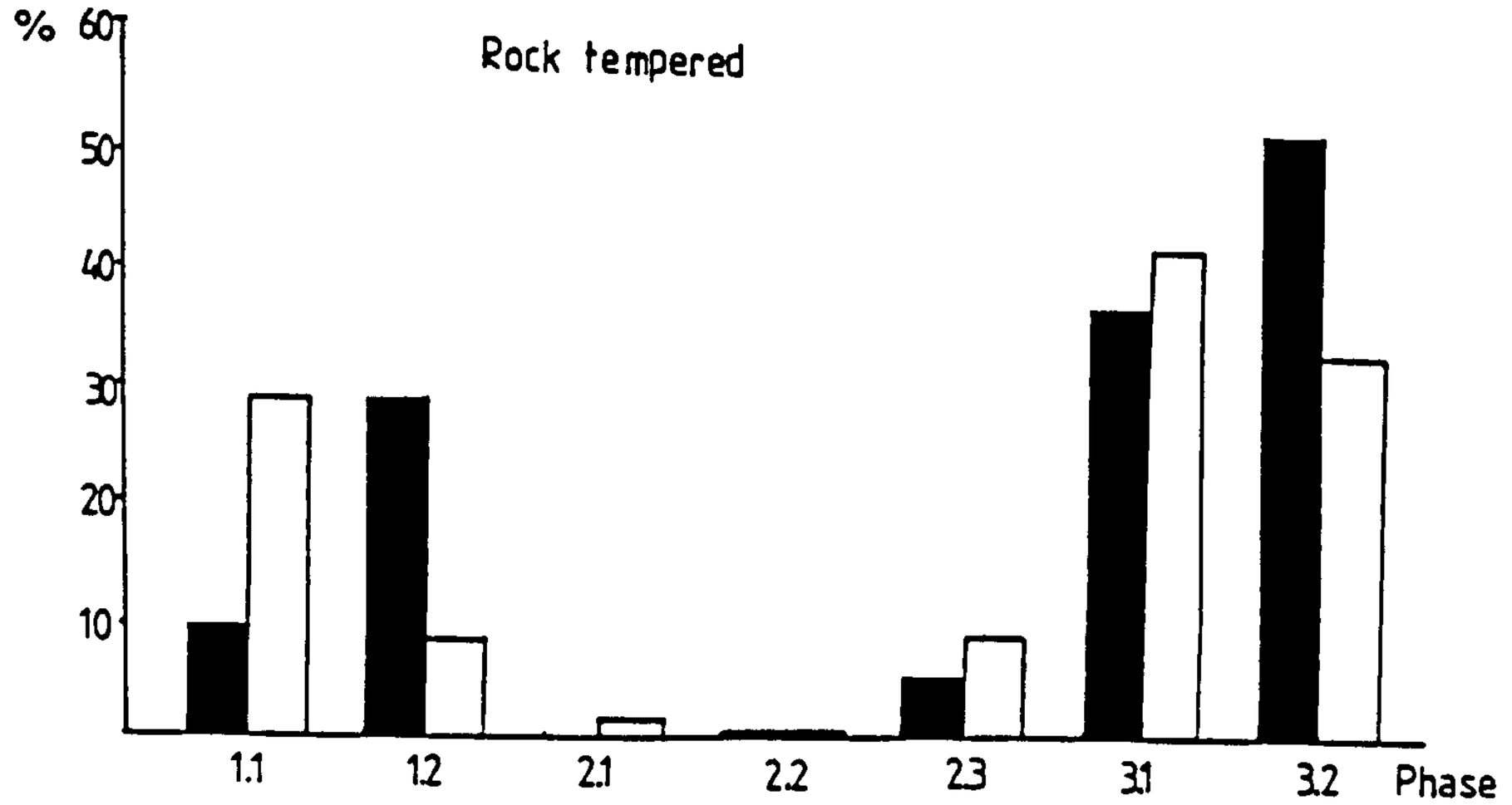


Figure 43: The occurrence of shell and rock tempering with Matrices 1 and 2 in the Pool Neolithic, expressed as a percentage of the total number of vessels per phase.

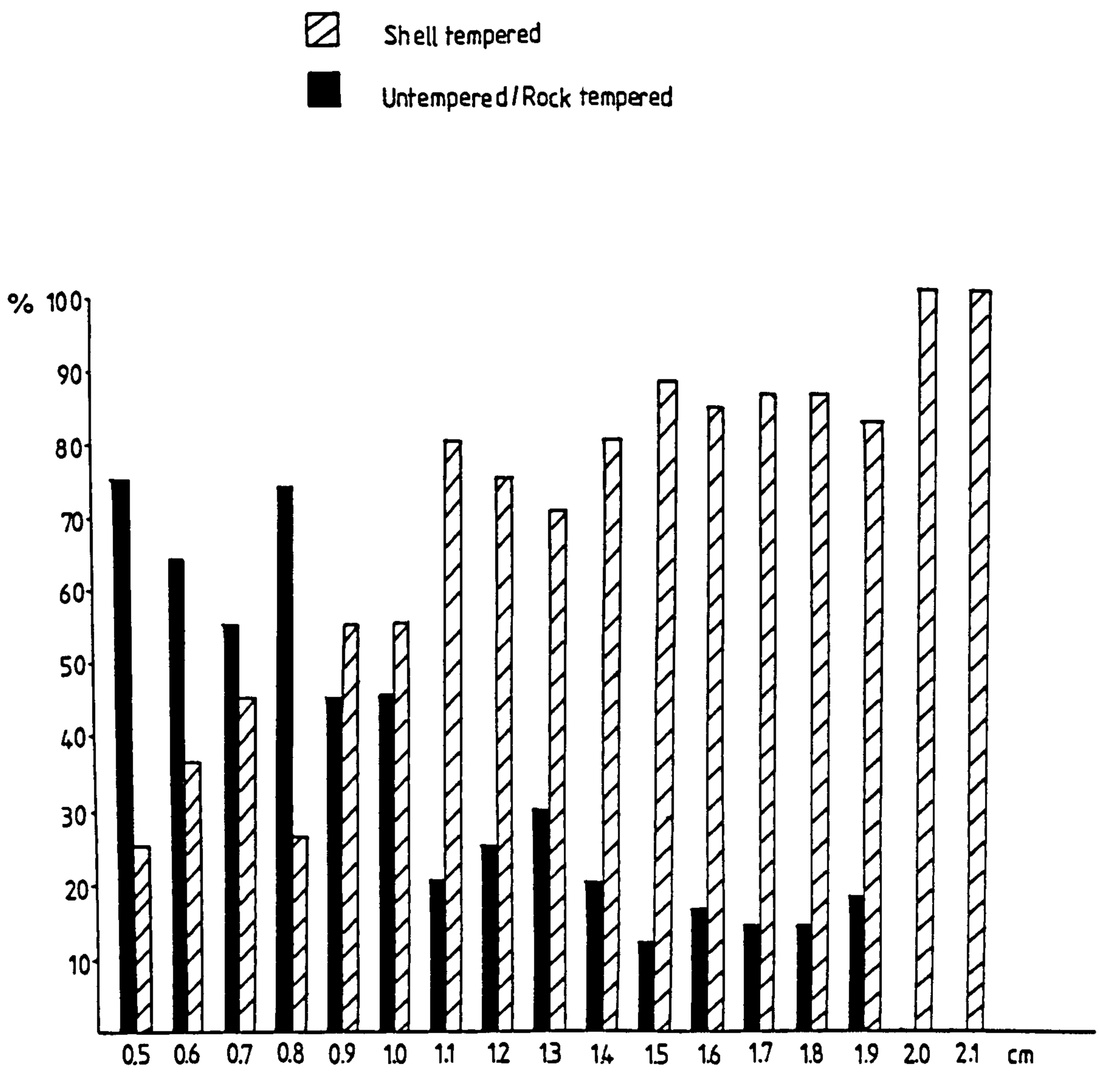


Figure 44: The occurrence of untempered/rock tempered and shell tempered pottery in Phase 2 plotted against vessel thickness and expressed as a percentage of the total number of vessels of each thickness.

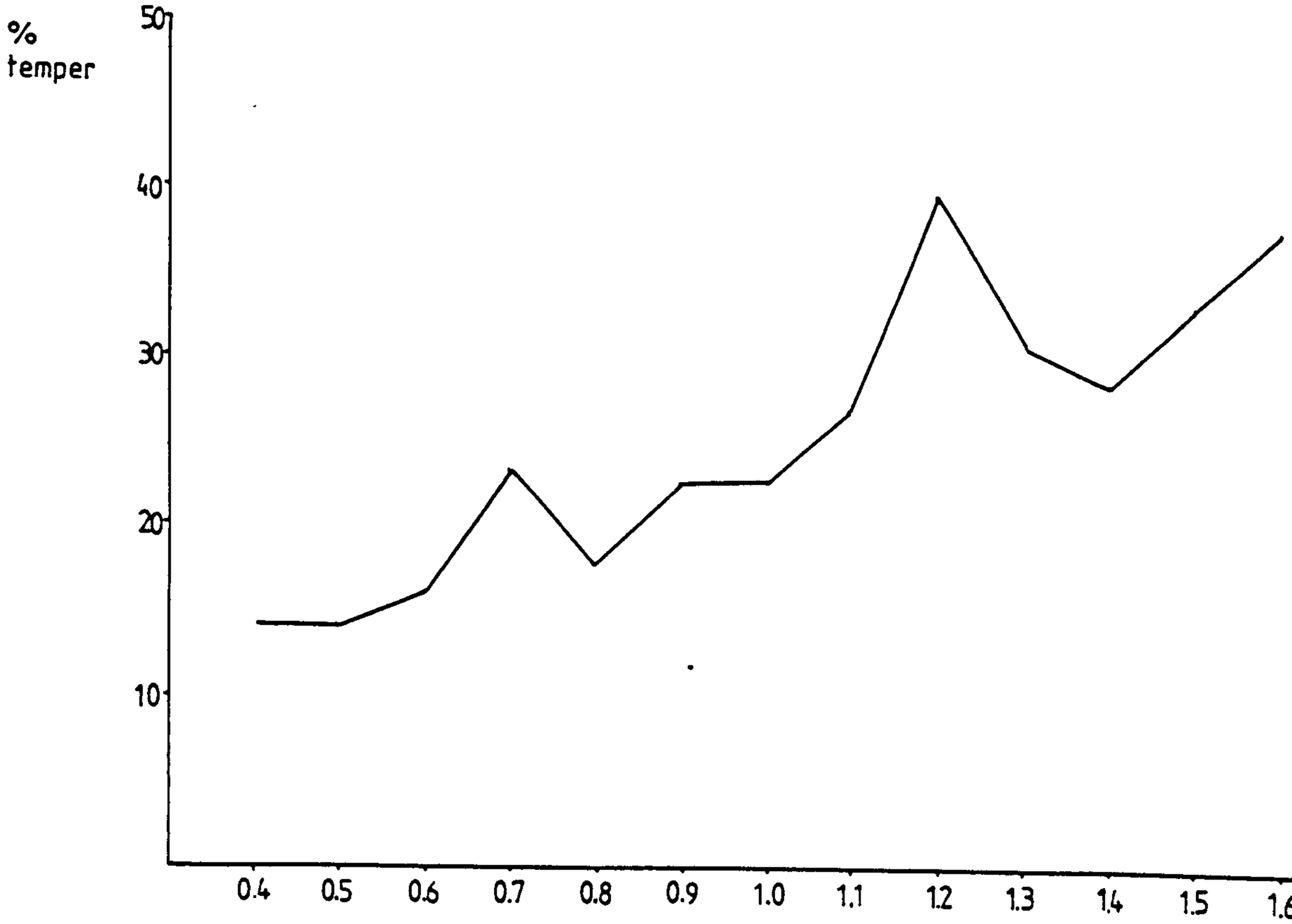


Figure 45: Average amount of temper plotted against vessel thickness for the Phase 3 pottery from Pool.

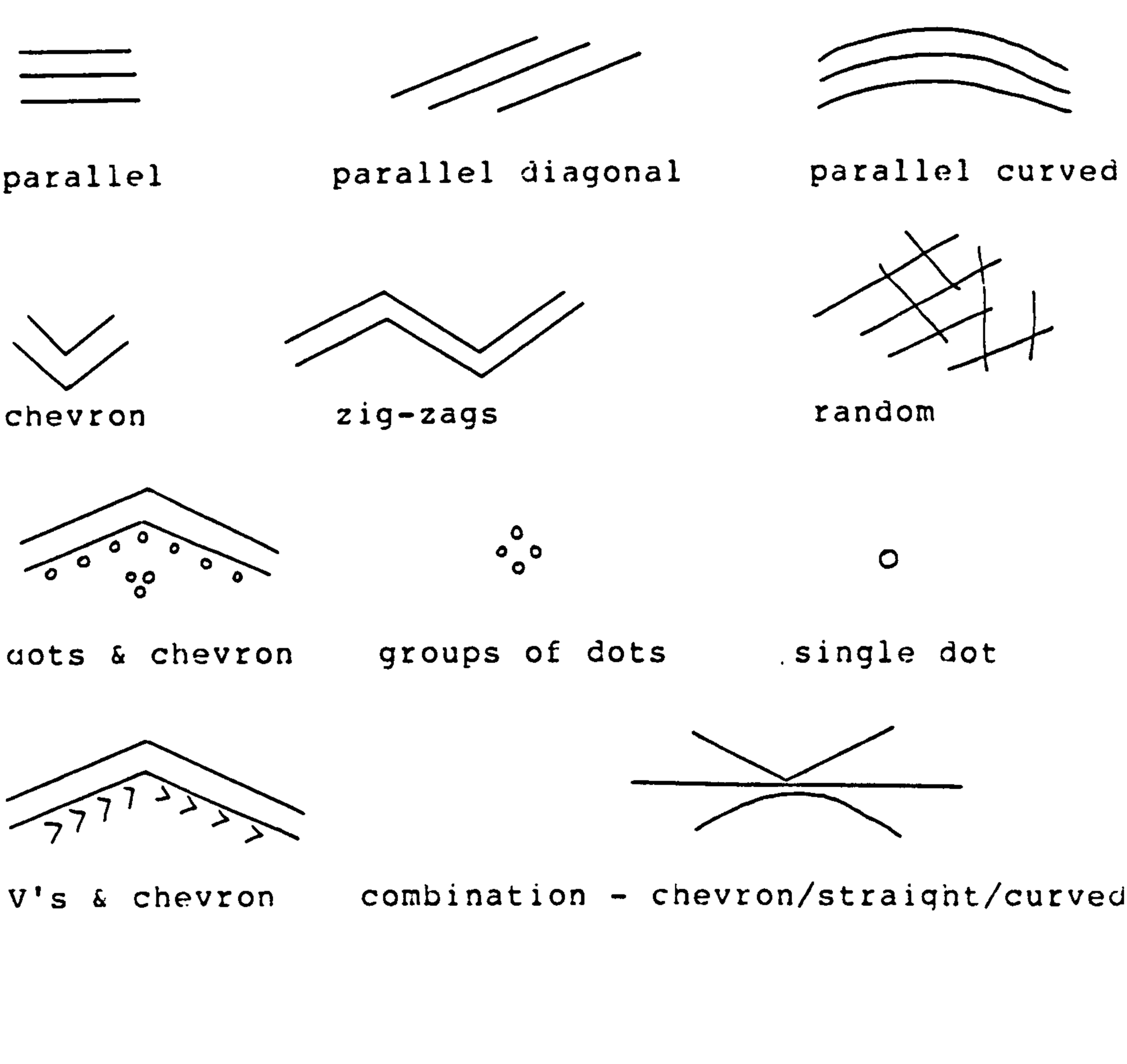


Figure 46: Neolithic incised decoration from the Pool pottery (stylised).

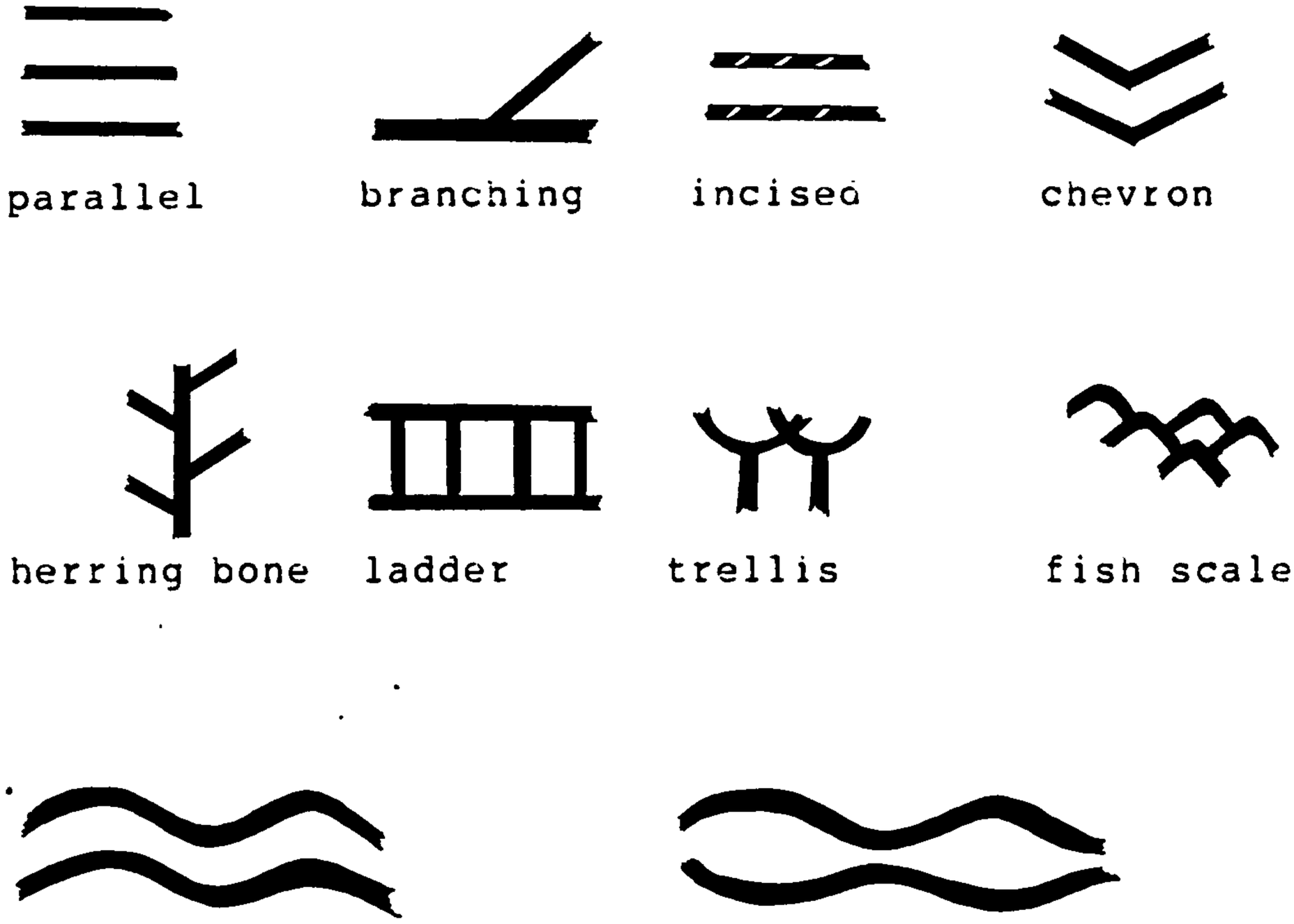


Figure 47: Neolithic applied decoration from Pool pottery (stylised).

	PHASE															
	5.1	5.2	6.1.1	6.1.2	6.2	6.3	6.4	6.5	6.6	6.7	7.1	7.2	8.1	8.2.1	8.2.2	8.2.3
RIM																
plain		3	1	1	2	5	9	6	3	12	15	27	4		1	
flat		2		1	1	1	6	3		7	6	12	1		2	
everted				3	4	4	15	6		9	10	4				
inverted				1				1			3	1				2
rolled	1	1		5	2	5	8	12	2	9	4	1	2			
beaded				3		1	3	4		9	2	1			1	
rounded			1	1				3			2	1				
outward sloping							3									
inward sloping			1			1		1					1	1		

Figure 48: Late Iron Age rim types from Pool, by phase.

	PHASE															
	5.1	5.2	6.1.1	6.1.2	6.2	6.3	6.4	6.5	6.6	6.7	7.1	7.2	8.1	8.2.1	8.2.2	8.2.3
BASE																
straight			3				1	1		1	4	1	1	1		
angled	1	1	3	2		2	12	9	5	16	14	7	3	1		1
barrel	1	1				1	3				1	1				
footed			1	1			3	1	1	6	3	1	1			
splayed								1		2	2	8	2			
round						1						*	*			

Figure 49: Late Iron Age basal types from Pool, by phase.

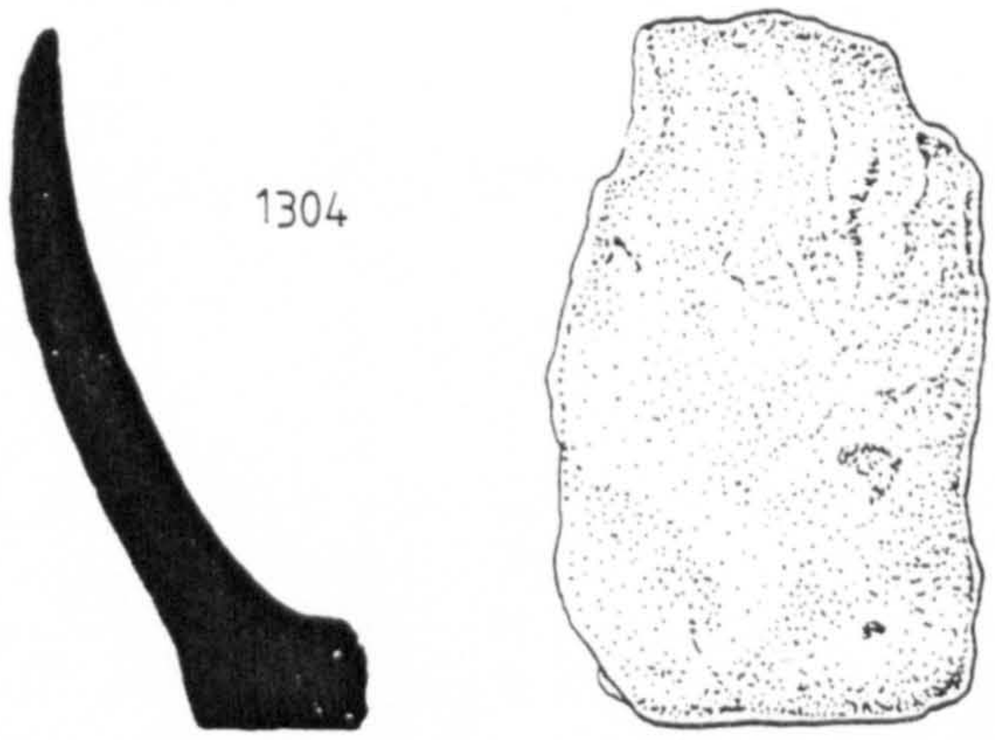
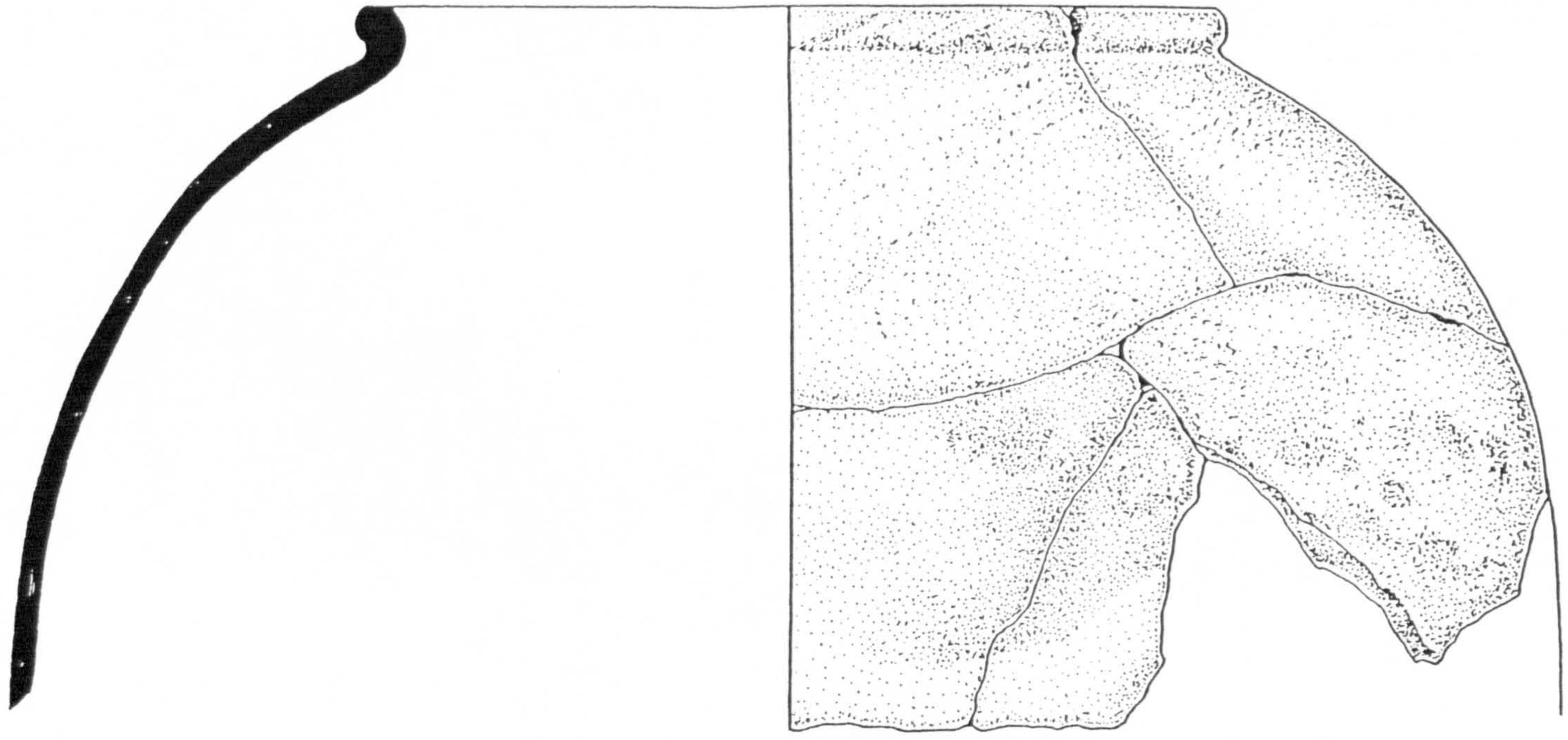
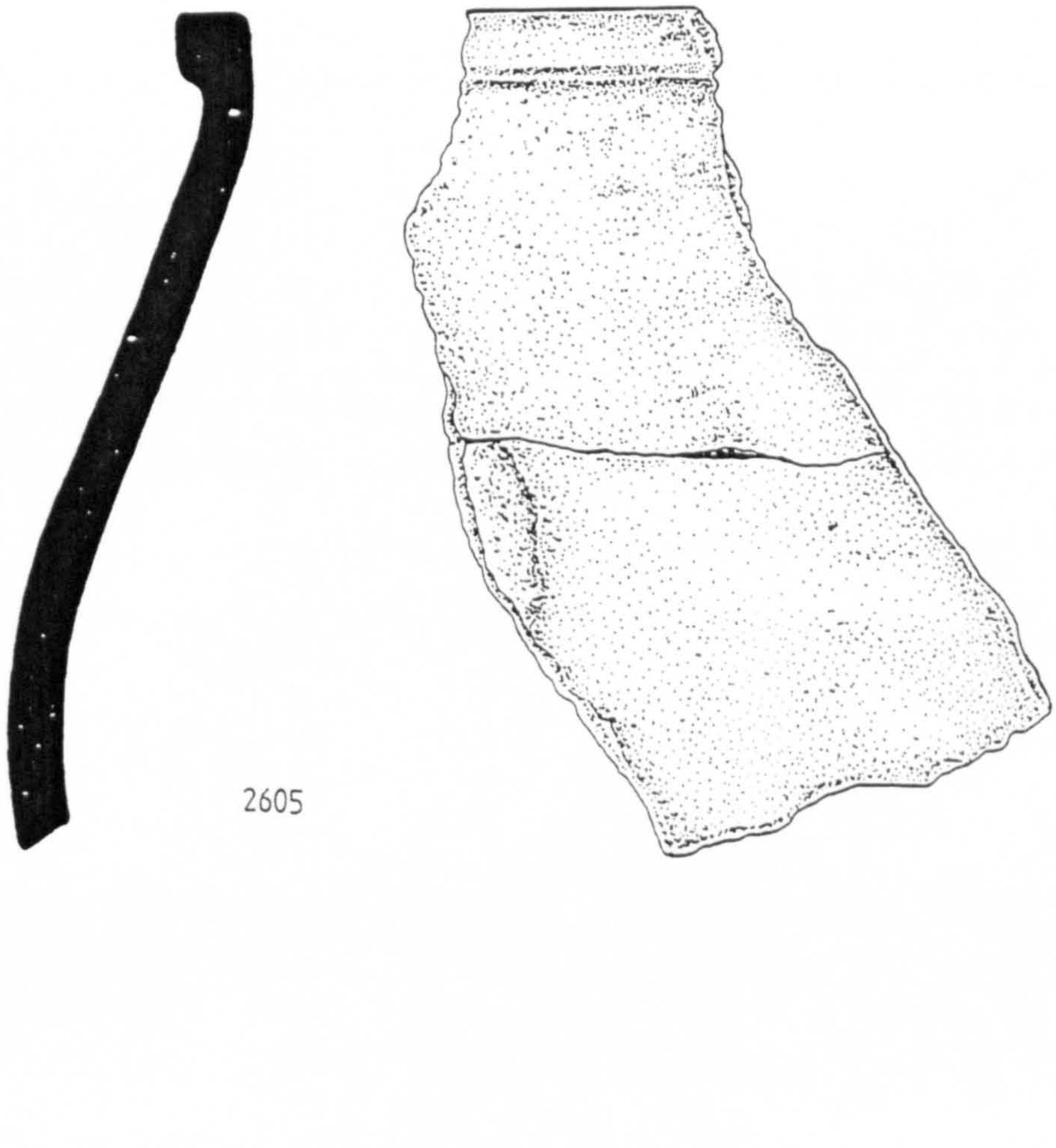


Figure 50: Iron Age bases: a = barrel/footed, b = plain angled, c = splayed.



2393

Figure 51: Iron Age globular vessel with everted rim.



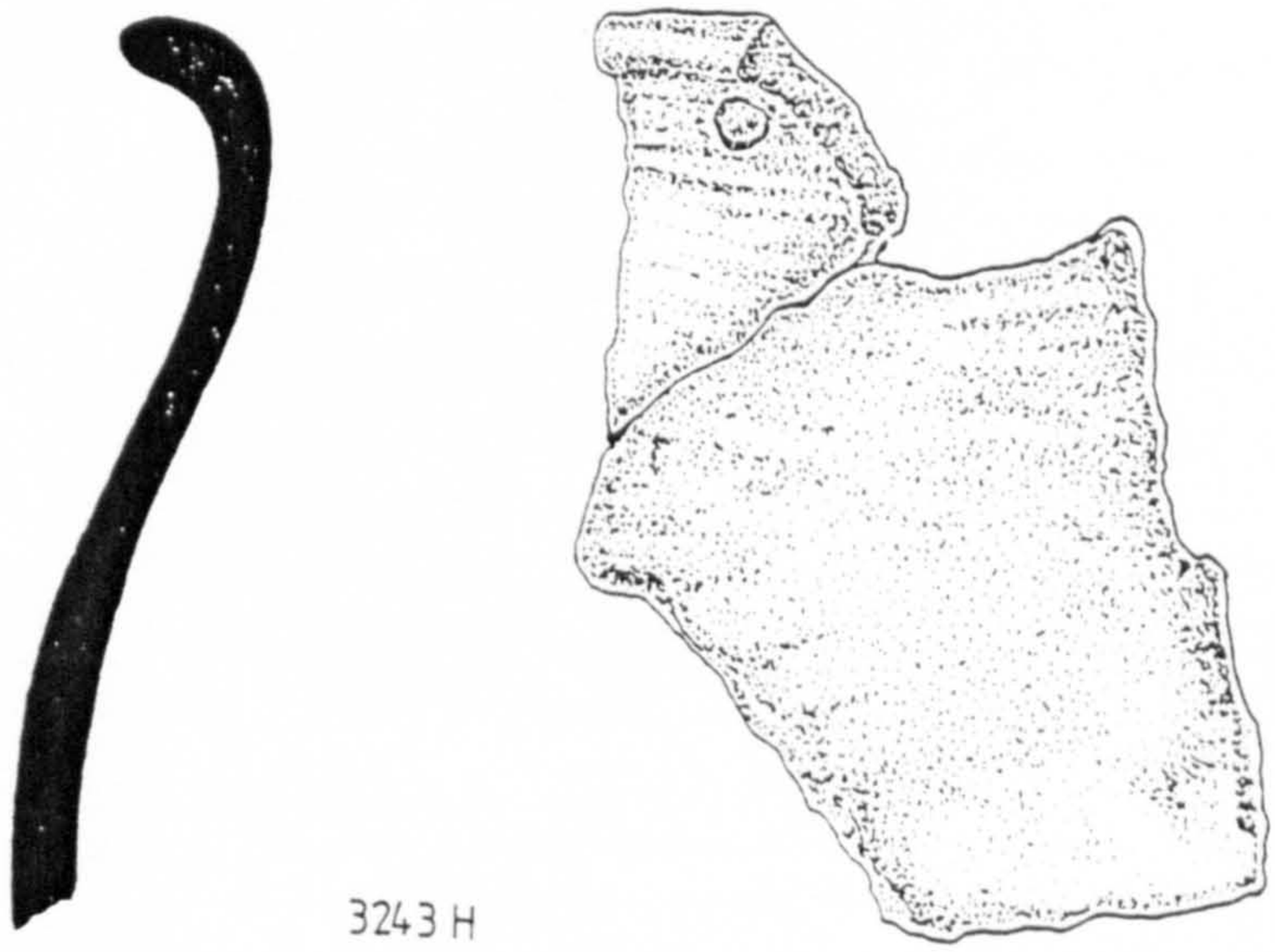


Figure 52: Iron Age rims:
a = beaded, b = everted.

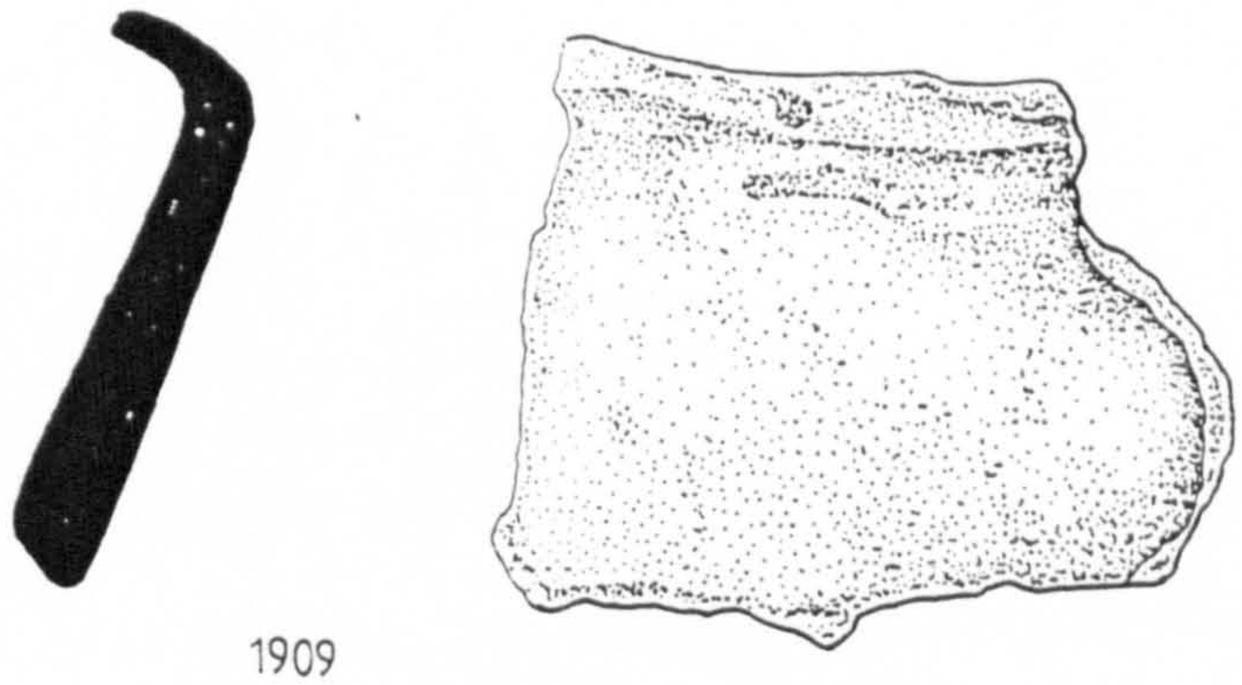


Figure 53: Iron Age rims:
a = everted, b = rolled.

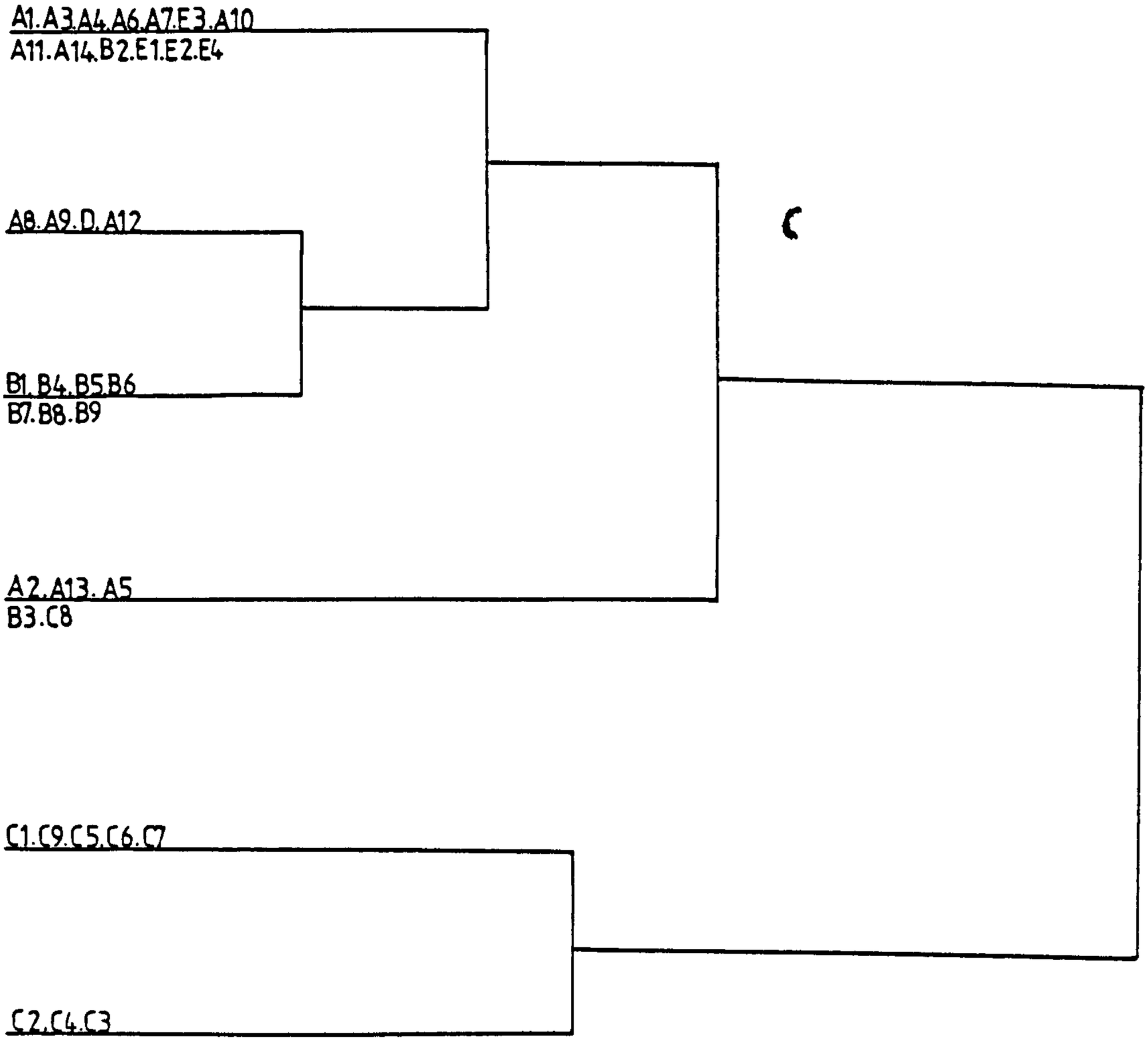


Figure 54: Cluster analysis of clay samples from Sanday (A, B, C and D) and Eday (E), analysed by XRF.

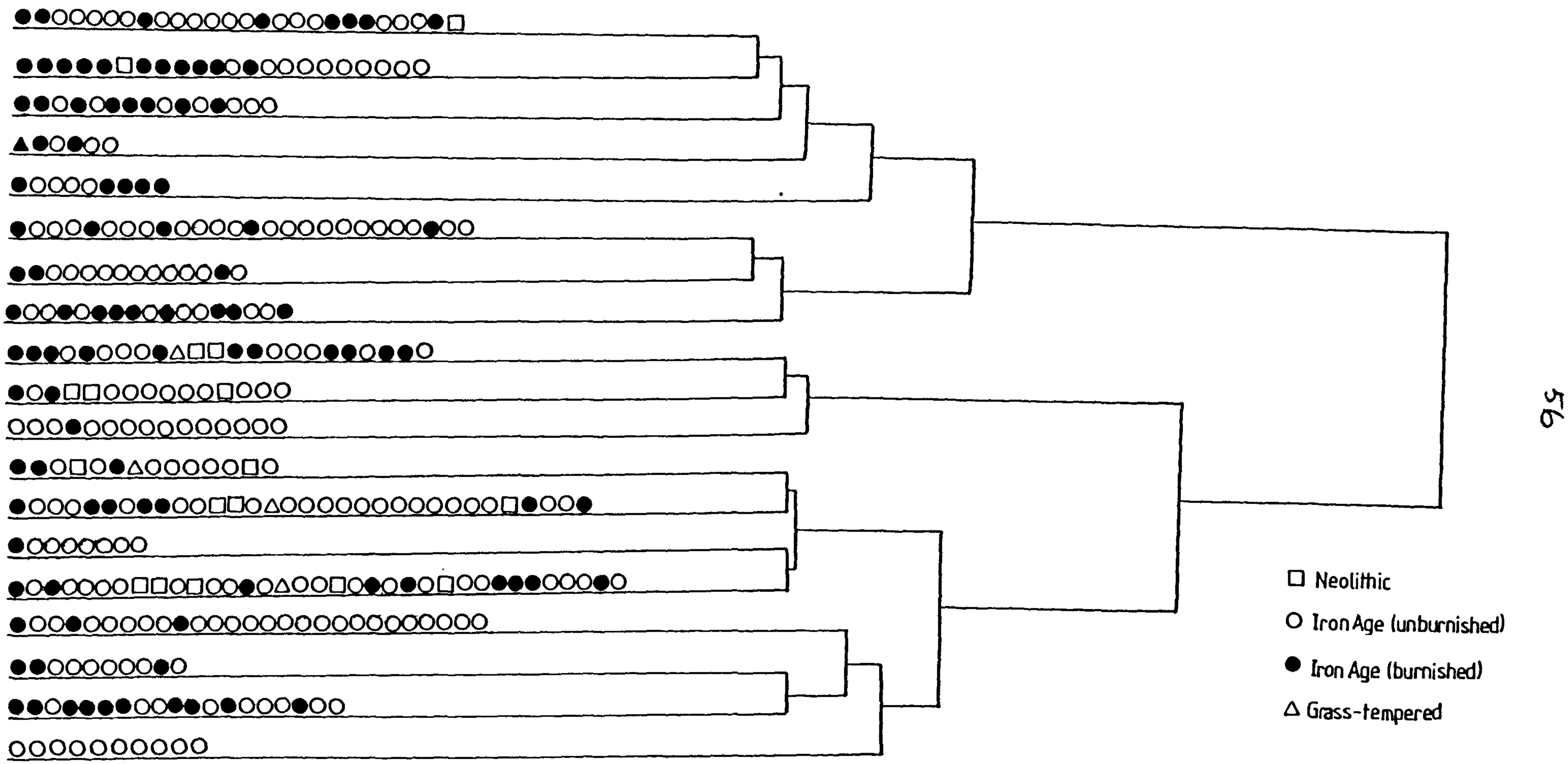


Figure 55: Cluster analysis of all Pool pottery samples analysed by XRF (see over for key).

Key for Clustan Sub-groups, Figure 55

Gp 1 - P1, P6, P56, P234, P178, P226, P116, P219 P165, P250, P294, P337, P105, P126, P186, P109, P124, P255, P275, P123, P243, P253, P254, P284, P257, P298.

- P7, P87, P8, P119, P23, P304, P35, P42, P37, P39, P40, P59, P308, P102, P103, P71, P208, P122, P179, P69, P97, P108.

- P5, P273, P246, P79, P233, P118, P333, P221, P276, P85, P270, P36, P247, P303, P344.

- P17, P18, P49, P29, P220, P311.

- P3, P245, P238, P341, P75, P133, P120, P128, P262.

Gp 2 - P13, P48, P134, P192, P41, P88, P207, P72, P196, P64, P135, P173, P182, P32, P127, P229, P242, P52, P60, P180, P204, P194, P214, P33, P89, P110.

- P20, P34, P157, P228, P70, P292, P256, P277, P212, P287, P339, P281, P315, P295.

- P19, P210, P290, P296, P319, P328, P336, P30, P335, P267, P283, P268, P43, P80, P305, P325, P272.

Gp 3 - P2, P25, P22, P47, P86, P55, P107, P57, P106, P142, P260, P263, P14, P15, P132, P153, P46, P21, P44, P58, P81, P98, P170.

- P38, P249, P251, P240, P297, P258, P248, P271, P280, P318, P316, P285, P299, P327, P324, P340.

- P61, P162, P63, P95, P236, P111, P184, P232, P331, P343, P241, P288, P289, P291, P317.

Gp 4 - P4, P10, P74, P265, P136, P83, P139, P155, P230, P269, P330, P239, P326, P321.

- P9, P225, P54, P27, P24, P231, P77, P67, P112, P90, P100, P259, P264, P101, P160, P104, P129, P163, P177, P141, P181, P151, P172, P183, P209, P206, P50, P306, P93, P199, P211, P227.

- P12, P68, P140, P322, P313, P314, P332, P338.

- P28, P130, P113, P115, P168, P174, P307, P261, P266, P302, P334, P92, P191, P131, P237, P138, P195, P217, P310, P161, P320, P125, P222, P175, P323, P282, P169, P244, P252, P329, P300, P274, P279, P293, P343.

Gp 5 - P11, P51, P45, P16, P53, P146, P215, P137, P158, P114, P312, P143, P235, P185, P148, P203, P189, P197, P152, P156, P202, P167, P176, P213, P224, P171, P193.

- P26, P65, P66, P73, P76, P187, P200, P205, P223, P278.

- P31, P94, P309, P301, P78, P82, P84, P145, P96, P147, P218, P166, P190, P198, P121, P201, P91, P117, P99.

- P62, P150, P159, P286, P144, P149, P164, P188, P154, P216.

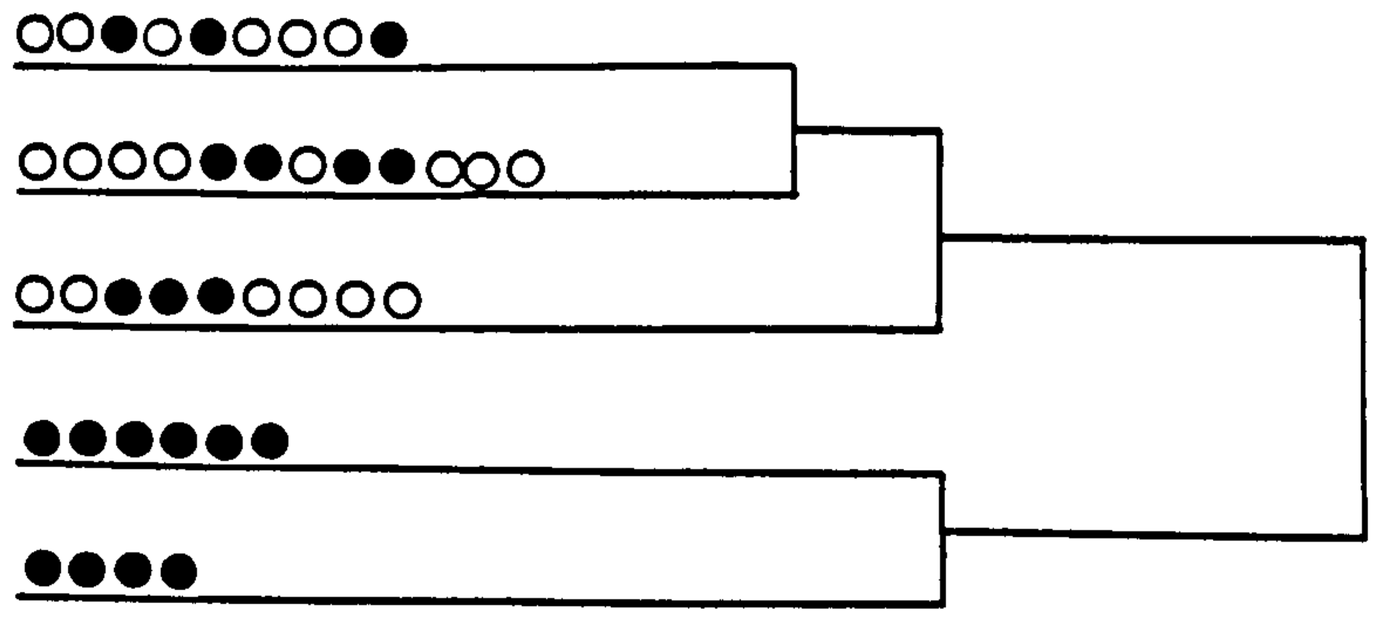


Figure 56: Cluster analysis of 20 Iron Age pottery samples of Matrix 1 (untempered) and 20 samples of Matrix 2 (untempered), analysed by XRF.

Key for Clustan Sub-groups, Figure 56

Gp 1 - P6, P10, P114, P20, P70, P39, P17, P42, P105.

- P14, P40, P72, P140, P121, P28, P34, P100, P16 P26, P176, P181.

- P12, P30, P97, P59, P180, P13, P18, P29, P43.

Gp 2 - P15, P153, P106, P19, P25, P38.

- P63, P199, P98, P111.

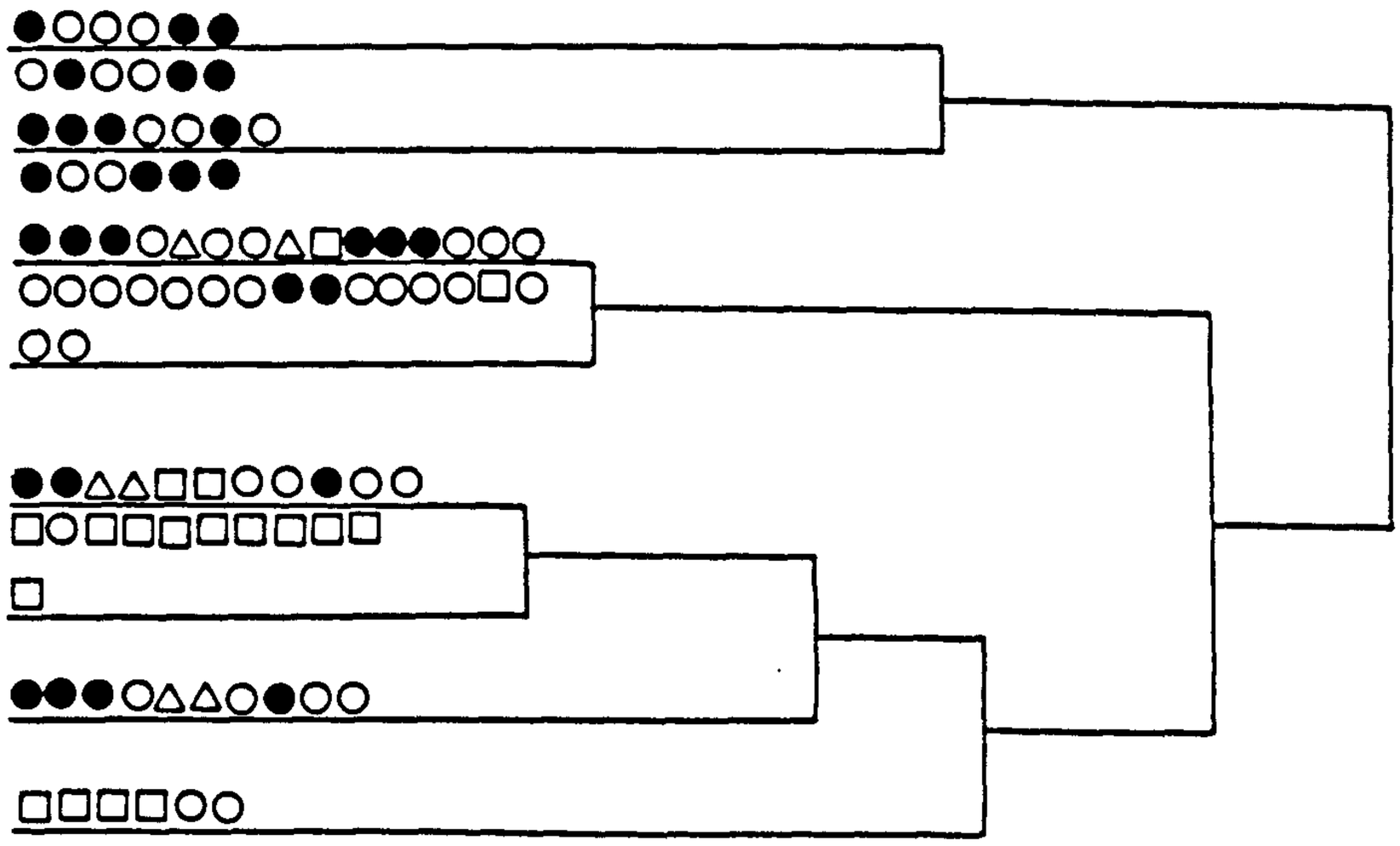


Figure 57: Cluster analysis of 95 pottery samples from Pool, analysed by ICPS (see over for key).

Key for Clustan Sub-groups, Figure 57

Gp 1 - P6, P100, P121, P49, P12, P17, P124, P18, P105, P59, P29, P42.

- P13, P41, P20, P70, P72, P46, P48, P43, P97, P335, P19, P30, P336.

Gp 2 - P14, P40, P39, P140, P138, P180, P52, P139, P298, P16, P28, P114, P50, P74, P171, P197, P176, P181, P53, P45, P51, P54, P26, P34, P117, P136, P239, P235, P259, P212.

- P286, P144.

Gp 3 - P15, P44, P345, P348, P334, P130, P340, P63, P98, P111, P199, P302, P338, P263, P350, P352, P355, P358, P310, P351.

- P316.

Gp 4 - P25, P22, P106, P55, P346, P347, P153, P38, P47, P240.

- P349, P354, P356, P353, P325, P341.

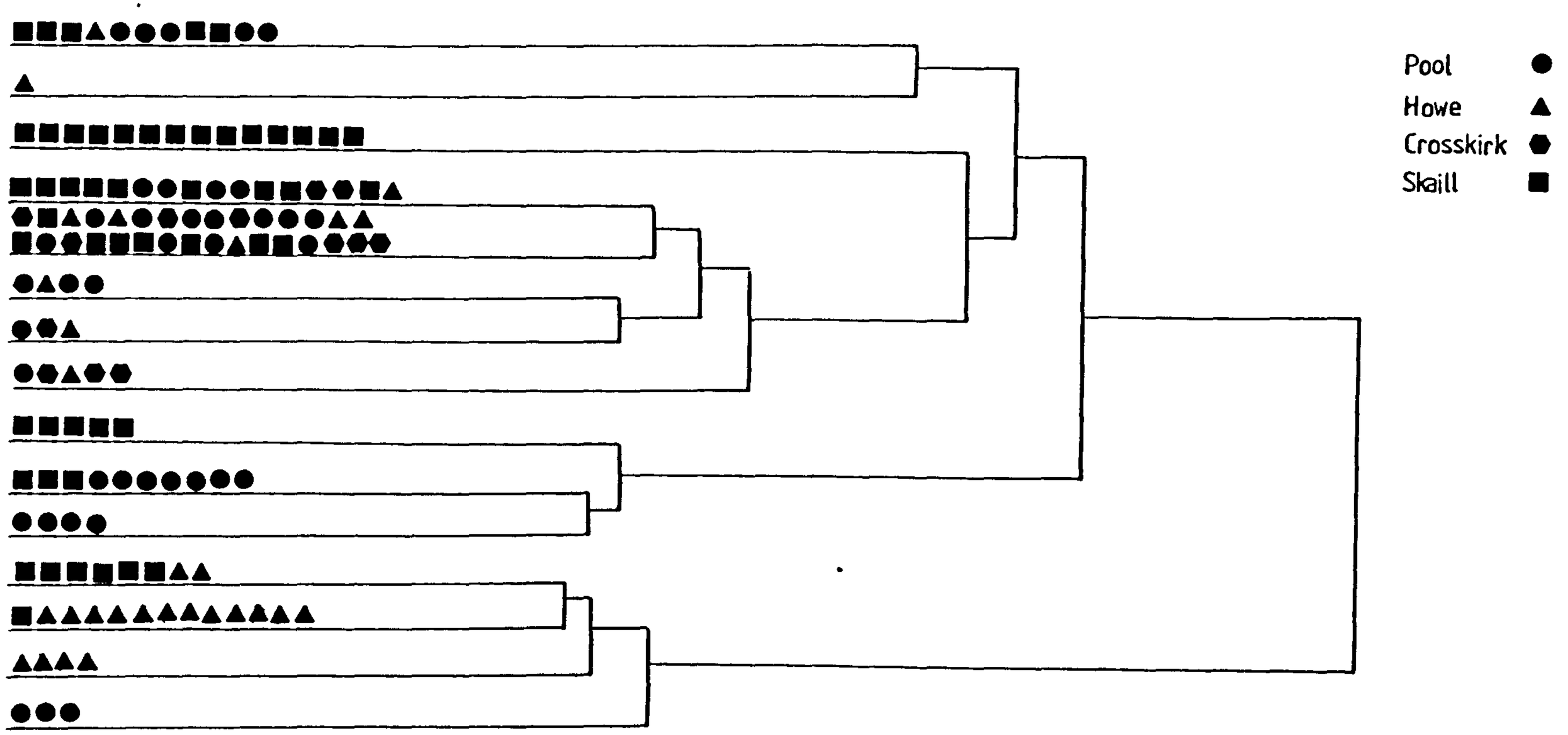


Figure 58: Cluster analysis for samples of pottery from Pool, Howe, Crosskirk and Skaill, analysed by ICPS (see over for key).

Key for Clustan Sub-groups, Figure 58

Gp 1 - P1, P29, P34, H25, DD12, DD31, DD26, P2, P7, DD29, DD14.

- H14.

Gp 2 - P3, P10, P20, P26, P25, P44, P15, P22, P38, P48, P12, P16, P24, P42.

Gp 3 - P4, P18, P46, P13, P33, DD16, DD35, P50, DD30, DD37, P28, P32, L10, L13, P19, H4, L8, P35, H24, DD2, H22, DD10, L6, DD19, DD11, L11, DD3, DD39, DD36, H7, H12.

- P6, DD24, L2, P37, P39, P49, DD20, P40, DD23, H5, P41, P47, L4, L5, L1, L3.

- DD1, H3, DD17, DD7.

- DD27, L9, H17.

- DD38, H1, H2, L7, L12.

Gp 4 - P5, P11, P17, P43, P9.

- P31, P51, P36, DD8, DD33, DD4, DD21, DD34, DD22, DD28.

- DD9, DD13, DD25, DD32.

Gp 5 - P8, P30, P45, P23, P14, P21, H9, H27.

- P27, H21, H23, H16, H18, H8, H29, H30, H6, H11, H28, H26, H13.

- H10, H15, H20, H19.

- DD5, DD6, DD18.

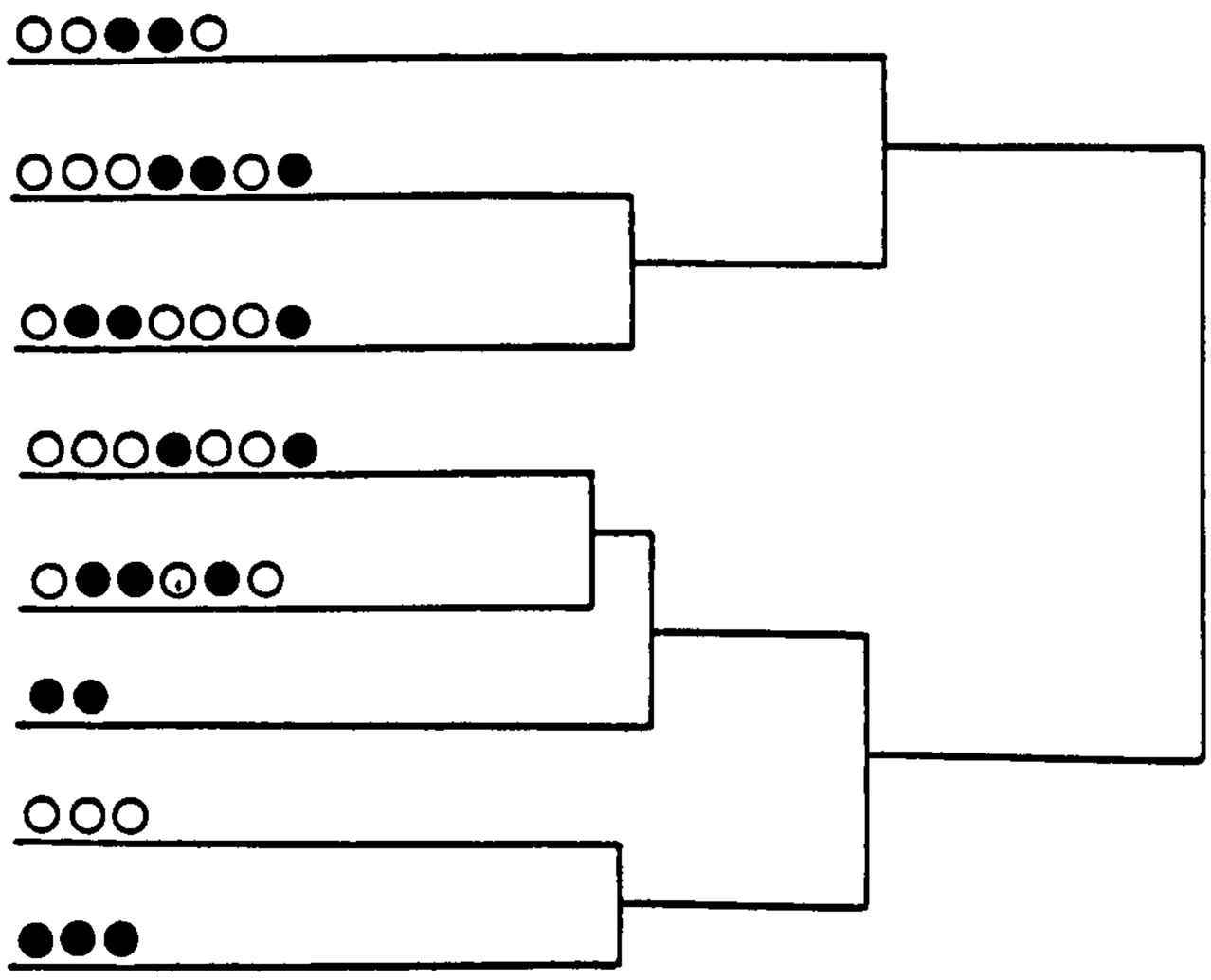


Figure 59: Cluster analysis for 20 samples of Matrix 1 (untempered) and 20 samples of Matrix 2 (untempered), analysed by ICPS (see over for key).

Key to Clustan Sub-groups, Figure 59

Gp 1 - P6, P17, P100, P121, P12

- P13, P41, P20, P72, P70, P30, P180

- P18, P105, P39, P140, P15, P28, P114

Gp 2 - P14, P40, P39, P140, P15, P28, P114

- P16, P176, P181, P26, P199, P34, P106, P153

- P19, P25, P38, P63, P98, P111

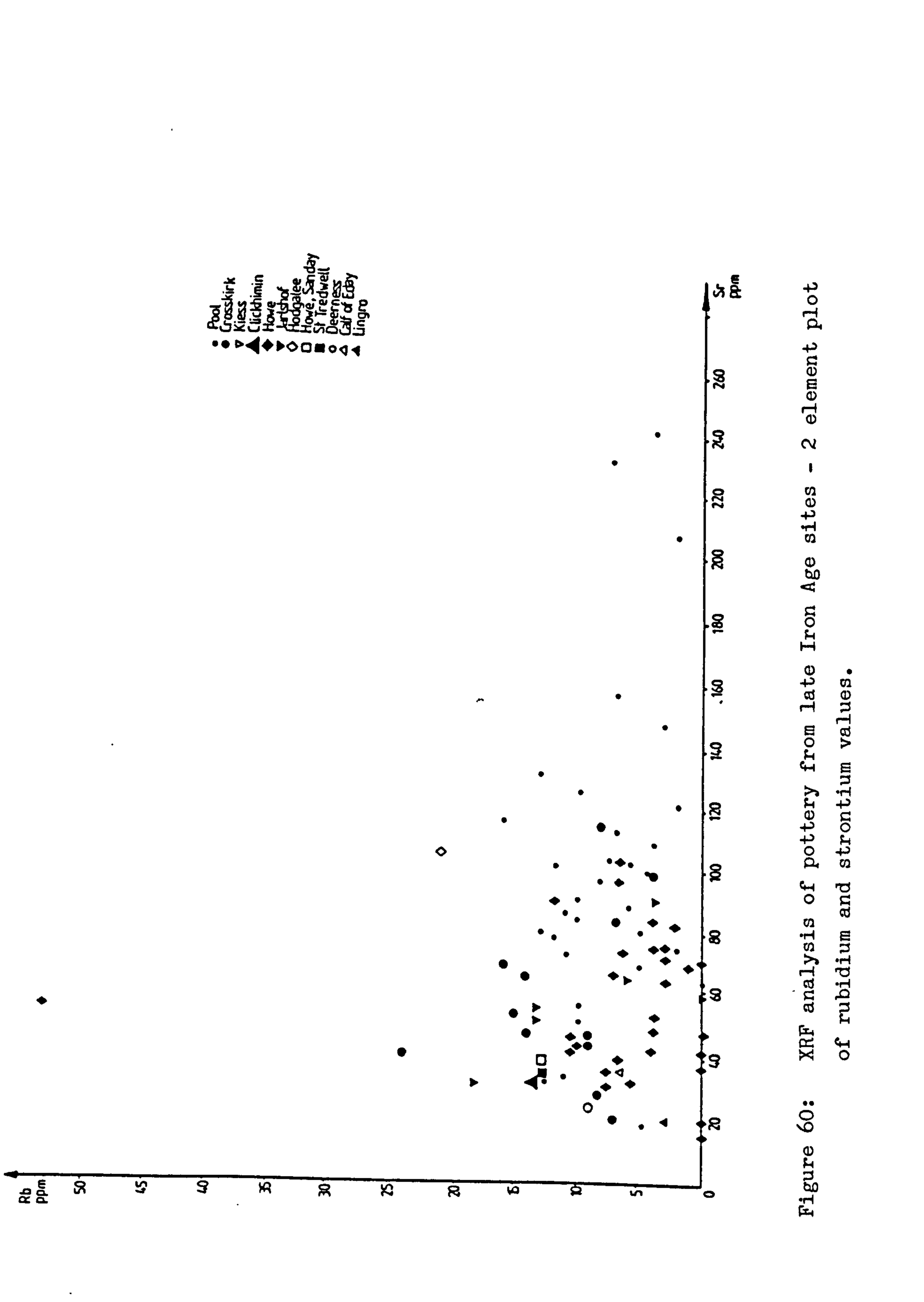


Figure 60: XRF analysis of pottery from late Iron Age sites - 2 element plot of rubidium and strontium values.

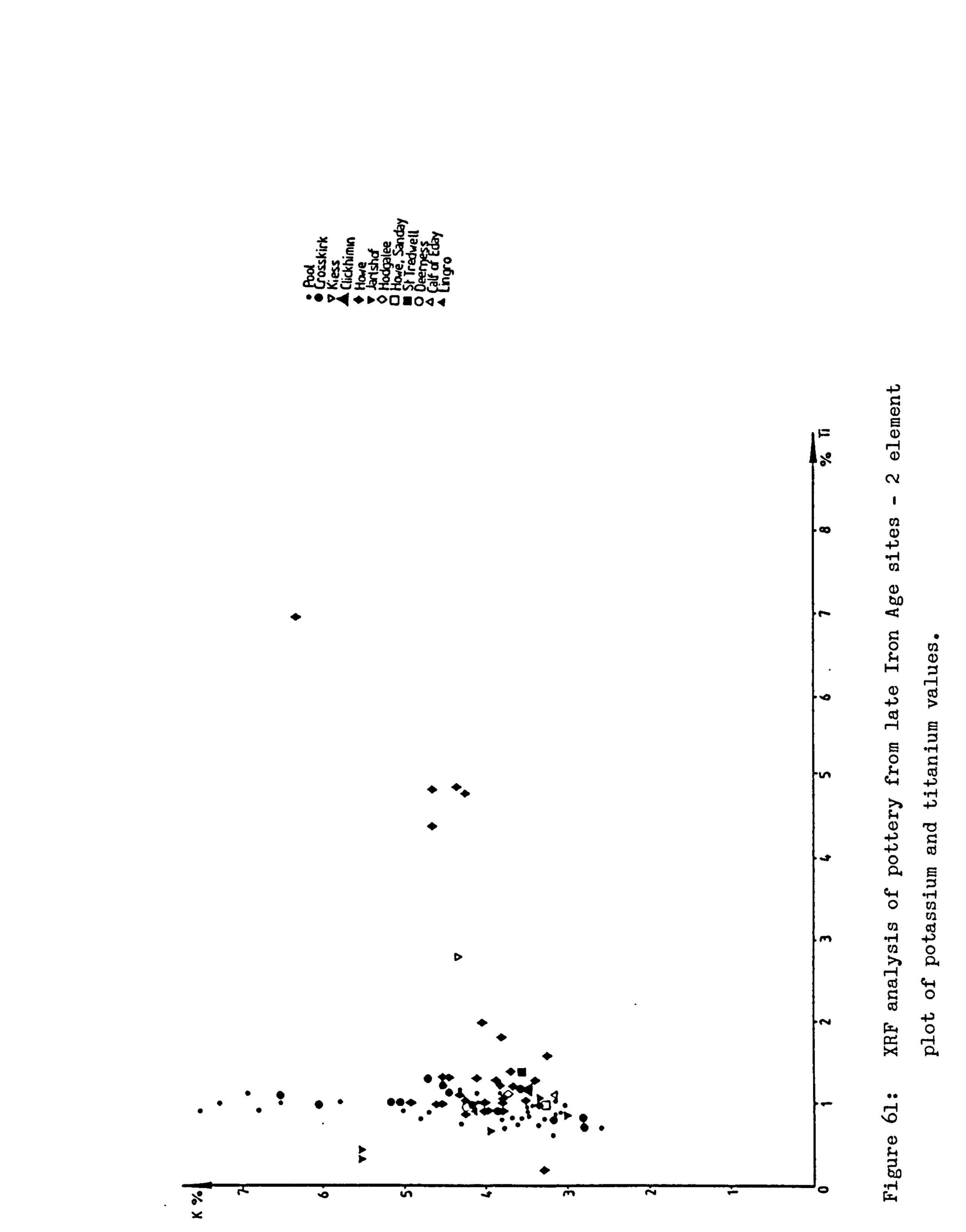
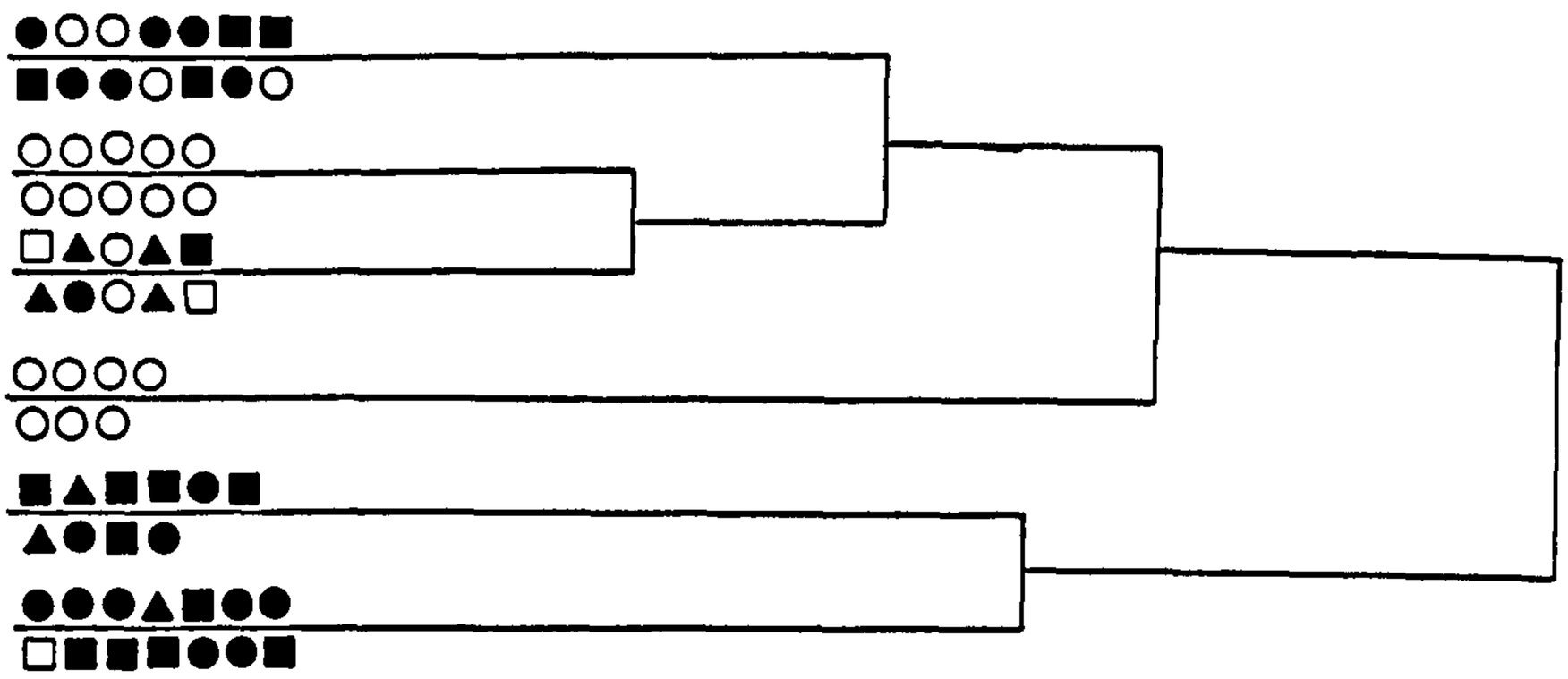


Figure 61: XRF analysis of pottery from late Iron Age sites - 2 element plot of potassium and titanium values.

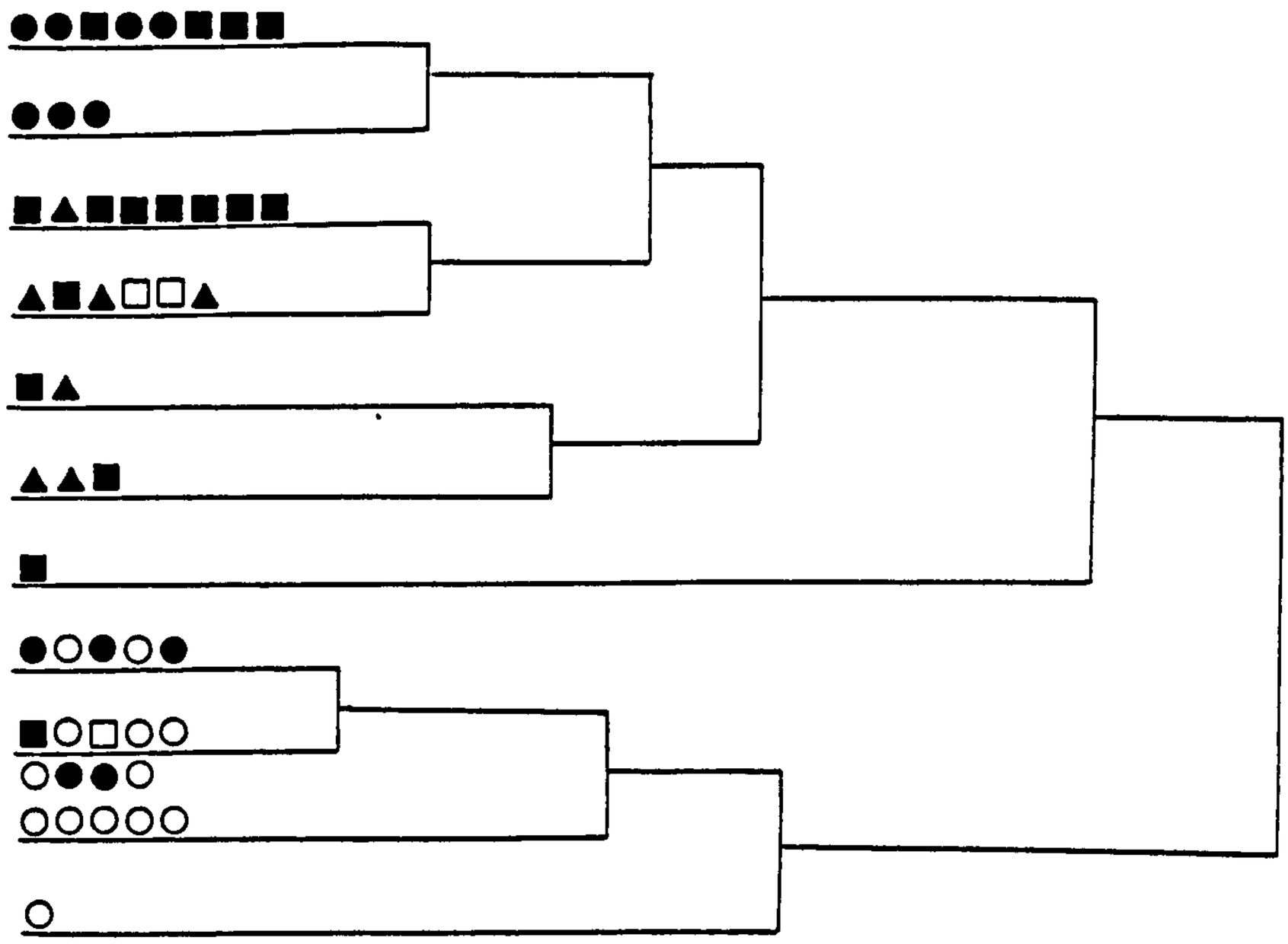


Clustan Sub-groups

Gp 1 - P6, P59, P354, P12, P17, P136, P338, P144, P72
clay A7, P70, P13, P14, clay 0578
- P30, clay 0518, P19, P38, P63, P22, P97, P336,
clay 0586, clay C1
- P15, P325, P25, P334, P130, P310, clay B6, P44,
P341, P340
- P240, clay C3, clay C4, clay C7, clay 0563,
clay D, clay 0526

Gp 2 - P20, P316, P302, P298, P16, P197, P212,
clay B3, P286, clay A1
- P26, P42, P28, P259, P117, P124, P171, P335,
P239, P235, P138, P54, P74, P139

Figure 62: Cluster analysis of thin section abundance (qualitative) data of clay and pottery samples from Pool.



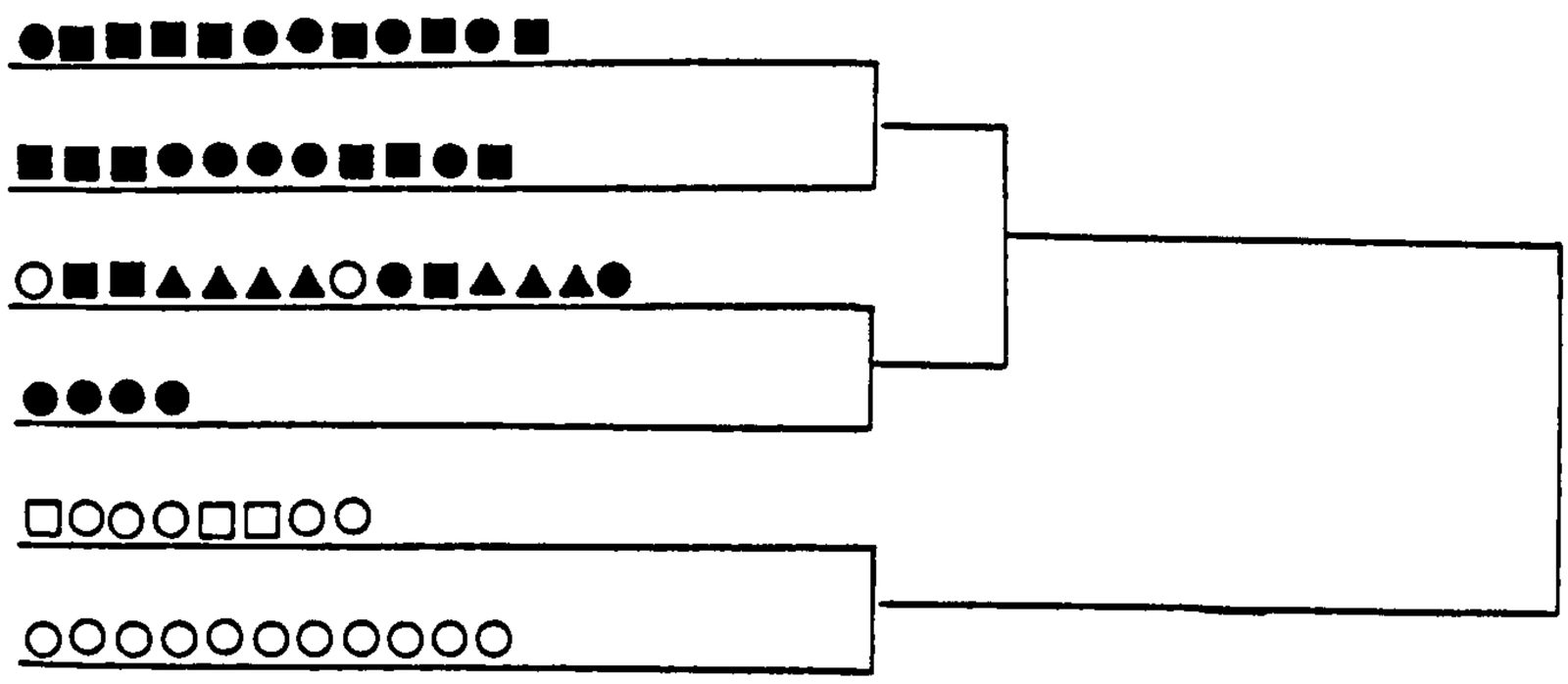
	no inclusions	10-30%	40-70%
Matrix 1	●	■	▲
Matrix 2	○	□	△

Clustan Sub-Groups

Gp 1 - P6, P16, P197, P171, P74, P13, P302, P338
- P26, P28, P54
- P20, P341, P136, P117, P239, P138, P139, P144
- P259, P235, P310, P340, P335, P212
- P298, P325
- P334, P310, P130
- P286

Gp 2 - P12, P30, P72, P38, P42
- P14, P44, P15, P63, P59, P354, P17, P124, P240
- P19, P336, P97, P25, P22
- P70

Figure 63: Cluster analysis of thin section point count (quantitative) data of clay and pottery samples from Pool.



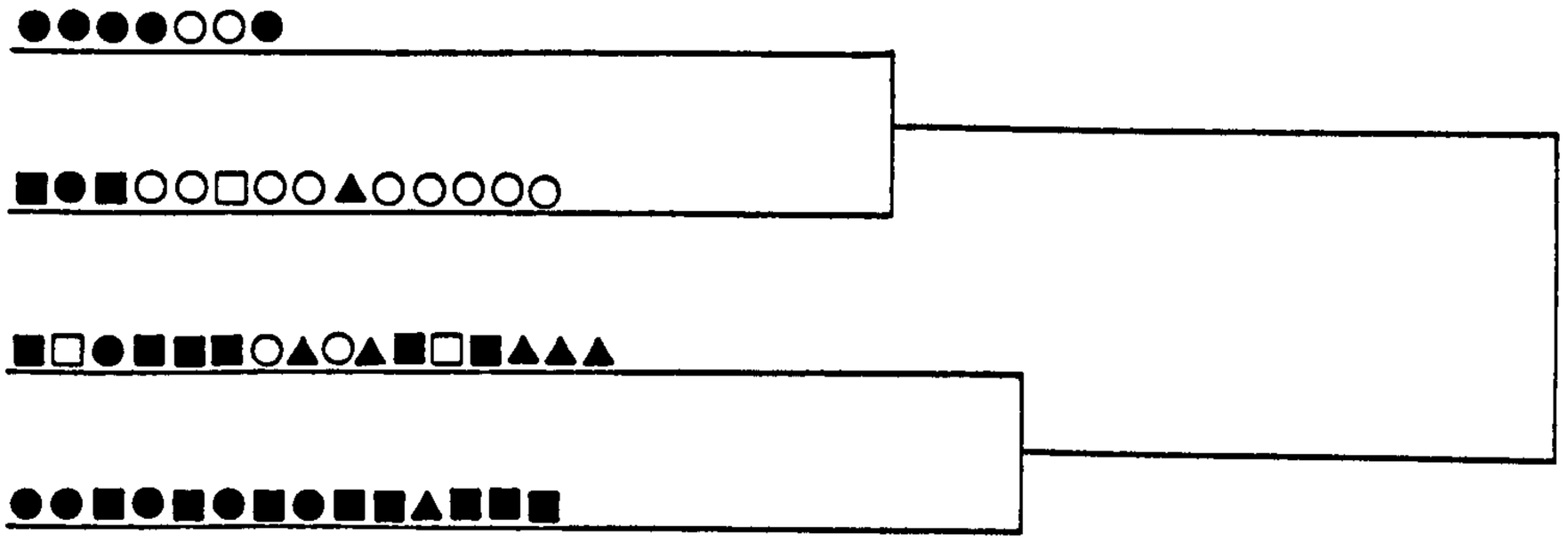
	no inclusions	10-30%	40-70%
Matrix 1	●	■	▲
Matrix 2	○	□	△

Clustan Sub-Groups

Gp 1 - P6, P136, P117, P338, P286, P12, P42, P13, P28, P298, P74, P20
- P14, P239, P144, P17, P26, P16, P54, P235 P197, P171, P139
- P30, P302, P130, P334, P341, P325, P212, P63 P124, P138, P259, P310, P316, clay B6
- P72, clay A1, clay B3, clay A7

Gp 2 - P15, P44, P240, P354, P340, P335, P22, P70
- P19, P25, P59, clay C7, P38, P97, P336, clay C1, clay C3, clay D, clay C4

Figure 64: Cluster analysis of thin section grain size data for clay and pottery samples from Pool.



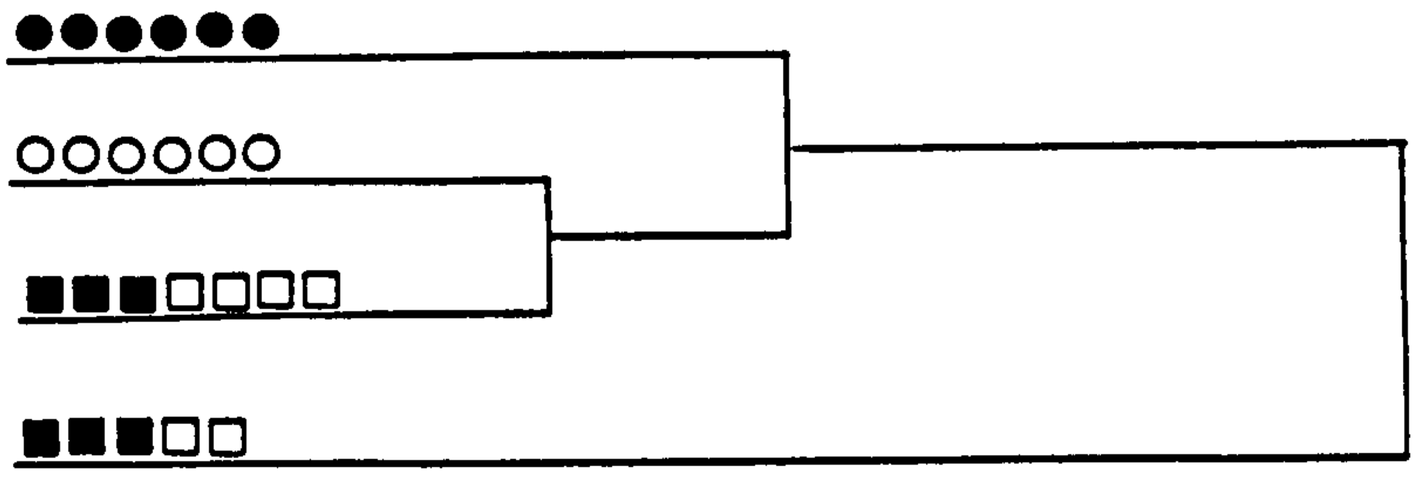
	no inclusions	10-30%	40-70%
Matrix 1	●	■	▲
Matrix 2	○	□	△

Clustan Sub-groups

Cp 1 - P6, P12, P17, P42, P97, P59, P124
- P13, P72, P20, P70, P44, P335, P336, P30, P325
P19, P25, P22, P38, P240

Gp 2 - P14, P15, P28, P138, P139, P298, P63, P212,
P354, P310, P130, P340, P302, P334, P341, P316
- P16, P171, P197, P54, P338, P26, P117, P74,
P136, P235, P259, P239, P286, P144

Figure 65: Cluster analysis of ICPS data for 51 pottery samples from Pool, also thin sectioned.



● Sanday clay 1 (W)

○ Sanday clay 2 (X)

■ English commercial earthenware (Y)

□ Skye blue clay (Z)

Clustan Sub-groups

Gp 1 - W0, W10, W20, W30, W40, W50
Gp 2 - X0, X10, X20, X30, X40, X50
Gp 3 - Y30, Y40, Z20, Z30, Z40, Z50, Y50
Gp 4 - Y0, Y10, Y20, Z10, Z0

(number indicated % temper)

Figure 66: Cluster analysis of XRF data for tempering experiment.

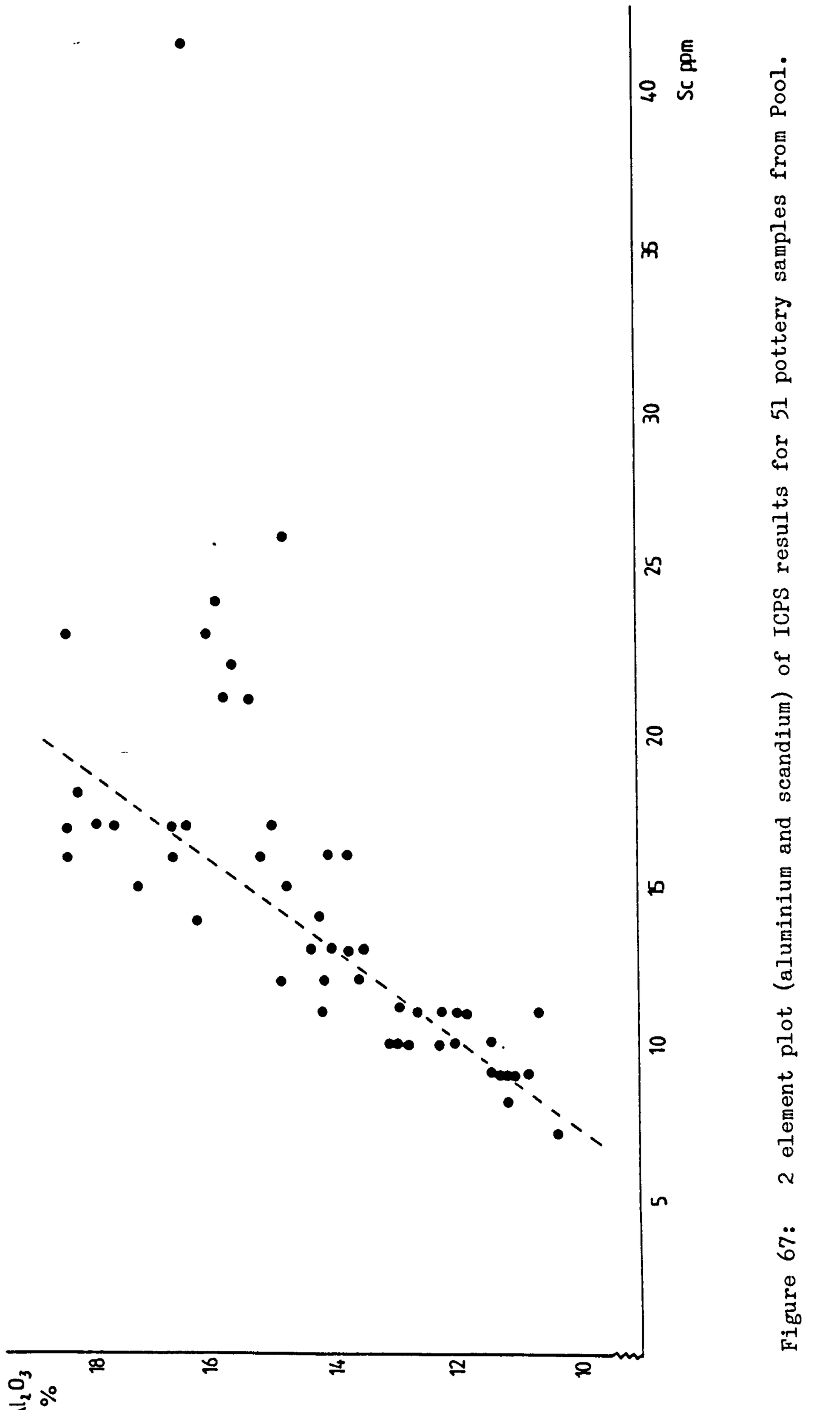
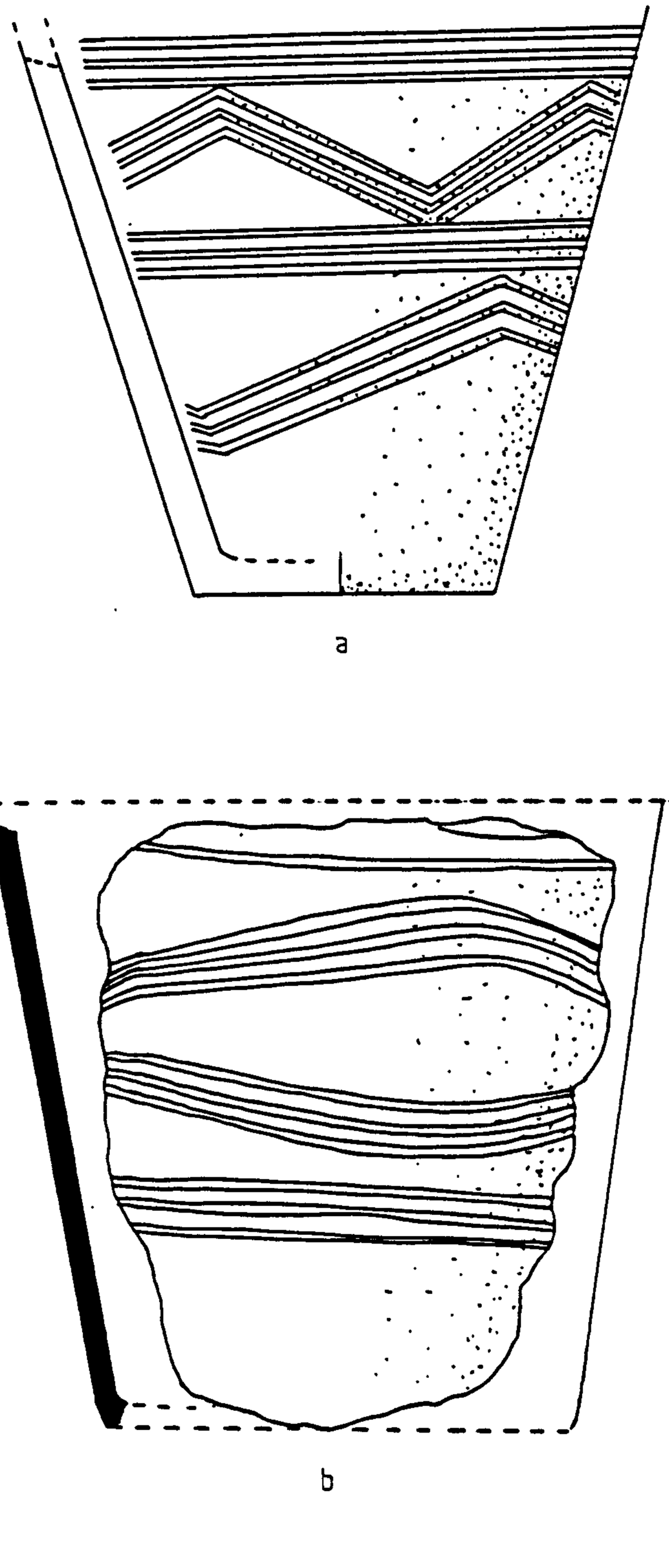


Figure 67: 2 element plot (aluminium and scandium) of ICPS results for 51 pottery samples from Pool.



a

b

0 2 4 cm

Figure 68: 'Incised Grooved Ware' vessels from a: Quanterness and b: Stenness (a is after Renfrew, 1979, 76, fig 33, b is after Ritchie & Ritchie, 1981, 44, fig 25).

POOL	UNSTAN	TAVERSOE	KNAP OF HOWAR	ISBISTER	QUANTERNESS	STENNESS	RINYO	SKARA BRAE
<u>Phases 1.1 & 1.2</u>								
Unstan ware Shell-tempered ware	●	●	●	●				
<u>Phases 2.1 & 2.2</u>								
Incised ware (parallel lines) Baggy vessels Shell-tempered ware			●	●				
<u>Phase 2.3</u>								
Incised ware (chevrons) Baggy vessels Shell-tempered ware					●	●	●	
<u>Phases 3.1 & 3.2</u>								
Applied decoration Scalloped rims Bucket-shaped vessels Rock-tempered vessels							●	●

Figure 69: Summary of Pool's Neolithic pottery sequence with suggested parallels with other Orcadian sites.

APPENDIX 1: PREPARATION OF PVP/METHYL CELLULOSE BINDER USED IN MAKING XRF PELLETS

Chemicals:

1. Polyvinylpyrrolidone; BDH Product No. 29579 4F.
2. Methyl Cellulose (High Substitution); BDH Product No. 29779 4N.

Method

Prepare the following two solutions -

Solution A : Dissolve 70 gm Polyvinylpyrrolidone (PVP) in 250 mls ethanol by slowly adding the PVP powder to the ethanol on a magnetic stirrer.

Solution B : Boil 400 mls of distilled/deionised water in a 1 litre beaker and when boiling slowly add 40 gms of methyl cellulose. Place the beaker on a magnetic stirrer and stir vigorously as the liquid cools. At this stage take care that the beaker is not thrown off the stirrer as the viscosity of the liquid increases as it cools and the methyl cellulose dissolves.

When suspension B has cooled to approximately 70°C, slowly add solution A, continuing to stir vigorously. The resulting solution can then be used as a binder for the production of pressed powder pellets.

(Dr. P.K. Harvey, Nottingham University, 1980).

APPENDIX 2: CATALOGUE OF POTTERY SAMPLED

See Appendix 4 for table of analytical methods used on each sample.

Grain II

G1 1982.318
Body sherd, 0.8cm thick, hard
Exterior burnished
Grey with buff surface margins
2, black (glassy), large quartz, iron-nodules 2% (N - 0.5)

Howe of Howe

H1 981 phase VII
Body sherd, 0.8 cm thick, soft
Exterior burnished, polished
Decoration - deep incised line (1mm wide). Incision carried out in leather-hard state.
Brown exterior, grey interior
2, black (glassy), 2% (angular, 0.3)

H2 5672 phase VII/1539
Body sherd, 0.7 cm thick, soft
Coil constructed, scraping marks on interior
Exterior burnished, polished - burnishing striations visible
Red exterior, grey interior, burnished dark brown
1

H3 3755 phase VII/3755
Body sherd, 0.7 cm thick, soft
Coil constructed
Exterior burnished
Grey, burnished black
1, brown (grainy), N (0.2)

H4 3917 phase VII
Body sherd, 0.6 cm thick, soft
Exterior burnished, polished
Grey exterior, red interior, burnished black
1, black (crystalline), iron nodules N (0.3)

H5 3999 phase VII/1195
Body sherd, 0.8 cm thick, soft
Exterior smoothed
Red with grey exterior margin
2, sandstone, brown (fine grained), brown (micaceous, grainy), red (glassy), N (0.6)

H6 3561 phase VII/978
Body sherd, 0.5 cm thick, soft
Coil constructed
Exterior burnished
Red interior, grey exterior
1, black opaques (N)

H7 63 phase VII/3917
Body sherd, 0.7 cm thick, soft
Coil constructed - N-shaped junctions
Exterior burnished, polished
Red exterior, grey interior, brown burnish
1, black opaques (N)
Broken off at point of inflection

H8 867 phase VII/3117
Body sherd, 0.9cm thick, soft
Coil constructed
Exterior burnished
Red
2, sandstone (round and angular, N (0.5)

H9 1195 phase VII/VIII/3999
Body sherd, 0.7 cm thick, hard
Exterior burnished
Black, red exterior margin, brown interior margin
1, black opaques N, organics (impressions)

H10 1926 phase VIII/399
Body sherd, 0.9 cm thick, soft
Coil constructed
Exterior burnished
Grey with red margins
2, brown (grainy), (0.4, round and angular 4%),
organics (impressions)

H11 4828 phase VIII/1242
Body sherd, 0.4 cm thick, soft
Exterior burnished, polished
Black with brown exterior surface
1, black opaques (N)

H12 3781 phase VIII/378
Body sherd, 0.5 cm thick, soft
Exterior smoothed
Grey with brown exterior surface
1

H13 4754 phase VIII/1410
Body sherd, 0.5 cm thick, soft
Exterior burnished, polished
Grey
2

H14 1410 phase VIII/5635
Body sherd, 0.4 cm thick, hard
Grey with brown exterior surface
2

H15 424 phase VIII/720
Body sherd, 0.3 cm thick, hard
Grey with red exterior margin
1, opaques (N)

H16 3090 phase VIII/786
Body sherd, 0.6 cm thick, soft
Exterior burnished, polished
Grey with buff surface layers
1, opaques (N)

H17 3635 phase VIII/1410
Body sherd, 0.5 cm thick, soft
Exterior burnished
Grey with buff exterior margin, grey burnished surface
2

H18 6404 phase VII/1836
Body sherd, 0.7 cm thick, soft
Red
1, sandstone (N)

H19 3221 phase VIII/923
Body sherd, 0.5 cm thick, soft
Grey with red exterior surface
2

H20 3755 phase VIII/1353
Body sherd, 0.5 cm thick, hard
Grey with buff exterior surface
1, black opaques (N)

H21 4228 phase VIII/378
Body sherd, 0.3 cm thick, hard
Black with brown surfaces
2, black opaques (N)

H22 3755 phase VIII/1353
Body sherd, 0.6 cm thick, soft
Red exterior, grey core, buff interior
1

H23 4515 phase VIII/1353
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with brown surfaces
1

H24 163 phase VIII/43
Body sherd, 0.5 cm thick, hard

Exterior burnished, polished
Brown with buff exterior surface
1

H25 369 phase VIII/250
Body sherd, 0.7 cm thick, soft
Exterior smoothed
Black
1

H26 1922 phase VIII/722
Body sherd, 0.7 cm thick, soft
Exterior burnished
Buff with grey core
2

H27 3763 phase VIX/1
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior burnished
Grey with red exterior margin
1, brown (micaceous, grainy) N (0.5)

H28 5026 phase IX/1
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished
Grey with buff interior surface
2, black (crystalline), N (0.2)

H29 3764 phase VIII/1352
Body sherd, 0.7 cm thick, hard
Coil constructed
Exterior burnished, polished
Brown with red exterior margin, black burnish
1, sandstone, brown (micaceous, grainy), 4% (round, 0.6)
Broken off at inflection point - exterior spalled

H30 3781 phase VIII/378
Body sherd, 0.9 cm thick, soft
Exterior burnished
Red with black exterior surface
1, large quartz, brown (grainy), N (0.2)

Jarlshof

J1 HSA 432 (N slope midden)
Body sherd, 0.5 cm thick, hard
Exterior burnished, polished
Black with brown interior surface
1, large quartz, N

J2 HSA 4335 (Class IV, Post broch I.A.)
Body sherd, 0.5 cm thick, hard
Exterior burnished and polished
Black with grey exterior margin
1

J3 HSA 4231 (Class II)
Body sherd, 0.6 cm thick, soft
Exterior burnished
Red with black burnished surface
1, large quartz, sandstone N (0.2)

J4 HSA 4187 (Floor of aisled round house)
Body sherd, 0.4 cm thick, hard
Exterior burnished
Grey
2, steatite, black (glassy), large quartz 40% (round and angular, 0.3)

J5 HSA 4300
Body sherd, 0.4 cm thick, hard
Coil constructed. Marks of scraping tool on exterior and interior.
Exterior burnished, polished
Grey
2

Clickhimin

K1 CLN.79102
Rim sherd, 0.6 cm thick, hard.
Flattened rim with groove running along top.
Three or four deep 'rills' on interior.
Exterior and interior burnished, polished.
Grey
1 (pos steatite inclusions)
(Hamilton, 'Excavations at Clickhimin', p. 146, No. 4 of 14-17)

K2 CLN.79132
Body sherd, 0.5 cm thick, hard
Exterior burnished and polished, interior burnished.
Grey with red surfaces.
1
(Hamilton, 'Excavations at Clickhimin', P.146, No.1 of 47-50)

Crosskirk

L1 A 1979:358 CK 681
Basal sherd, 0.7 cm thick, hard
Scraping marks on exterior and interior
Exterior, including base, burnished and polished
Buff with black burnished surface
2, black opaques, quartzite, N (round, 0.5)

L2 A 1979:271 CK 456
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished
Grey with brown surfaces
1, opaques, large quartz

L3 A 1979:342 CK 234
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior burnished
Buff with black patches on exterior surface
1

L4 A 1979:346 CK 408
Body sherd, 0.8 cm thick, hard
Coli constructed
Exterior burnished
Buff with red exterior margin
2, sandstone, opaques, N

L5 A 1979:166 CK 33
Body sherd, 0.8 cm thick, soft
Exterior burnished
Red with grey core, brown exterior surface
2
Spalling on exterior surface N (0.6)

L6 A 1979:207 CK 526
Body sherd, 1.1 cm thick, hard
Coil constructed
Exterior burnished, polished
Grey with red exterior margin
1, large quartz, N (0.4)

L7 A 1979:392 CK 470
Body sherd, 1.0 cm thick, hard
Coil constructed - N-shaped coil junction
Exterior burnished
Grey with buff exterior surface
2

L8 A 1979:166 CK 343
Body sherd, 0.6 cm thick, soft
Exterior burnished
Grey interior, brown exterior, black external surface
2

L9 A 1979:419 CK 638
Body sherd, 0.5 cm thick, hard
Grey with brown surfaces
1

L10 A 1979:399 CK 427
Body sherd, 0.9 cm thick, soft
Grey with buff exterior surface, red interior margin
1, large quartz (N)

L11 A CK 62
Body sherd, 0.8cm thick, hard
Exterior smoothed
Black
1, large quartz
Spalling on interior, probably along N-shaped coil junction

L12 A 1979:373 CK 485
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior smoothed
Black with buff interior surface
1, sandstone, 5% (round, 0.5)

L13 A 1979:379 CK 480
Body sherd,).7 cm thick, hard
Coil constructed
Grey with buff interior surface, buff exterior margin
1, black opaques, sandstone (N)
Buff colour extends over section - post-depositional burning.

<u>Mound of Hodgalee</u>

M1 214
Body sherd, 1 cm thick, hard
Coil constructed - N-shaped coil
Exterior surface burnished, polished
Black with red exterior surface, red interior margin
1
Broken off along coil and along point of inflection

<u>Deerness</u>

N1 GG14
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with red exterior margin, brown interior surface
2
Broken off at point of inflection

<u>Churchyard Mound, Keiss</u>

R1 GT 152
Body sherd, 0.4 cm thick, hard
Exterior burnished, polished
Black
1

Lingro

T1 191
Body sherd, 0.5 cm thick, hard
Coil constructed
Exterior burnished, polished
Brown with grey core and black surfaces
1

St Tredwell's Chapel

AA1 HR 203
Body sherd, 0.8 cm thick, hard
Exterior and interior burnished and polished
Grey with brown exterior margin, grey interior surface
2

Howe, Sanday

BB1 GA 1173C
Body sherd, 0.7 cm thick, hard
Spatula marks on interior
Exterior burnished and polished
1

Calf of Eday

CC1 EO 655
Body sherd, 0.7 cm thick, hard
Spatula marks on interior
Exterior burnished
Black with red exterior margin, red interior surface
1

Pool

P1 PL85 6.7/0523 3041
Body sherd, 0.7 cm thick, hard
Exterior burnished black, polished
Brown exterior, grey interior
1, organics (grass impressions)
Internal residue

P2 PL85 6.7/0563 2997
Body sherd, 0.5 cm thick, soft
Exterior burnished, polished
Grey exterior, red interior
2, organics (N)

P3 PL84 7.2/0381 1811
Body sherd, 0.9 cm thick, hard
Exterior burnished
Red with black exterior margin
1, sandstone, buff (fine grained), siltstone, N (0.3)

P4 PL84 6.7/0523 3084
Body sherd, 0.7 cm thick, hard
Exterior burnished
Black with red exterior margin
1, sandstone, mudstone, N (0.3)

P5 PL84 7.2/0371 1957
Body sherd, 0.5 cm thick, hard
Exterior burnished
Black
1, organics (grass impressions)

P6 PL84 7.1/0302 1932
Body sherd, 0.8 cm thick, hard
Globular vessel
Exterior burnished
Black
1
Conchoidal spalling on exterior surface

P7 PL85 6.5/0698 3117
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey with brown exterior margin, red interior margin
1, organics (N)

P8 PL85 6.5/0698 3113
Body sherd, 0.4 cm thick, hard
Exterior burnished
Grey with brown exterior margin, red interior margin
1, organics, sandstone, N (0.2)

P9 PL85 6.5/0697 3054
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey
1, large quartz, siltstone, N (0.2)

P10 PL85 6.5/0697 3061
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey and red mixed
2, siltstone, mudstone, N (0.2)

P11 PL84 5.1/0598 2935
Body sherd, 0.5 cm thick, hard
Exterior burnished
Black
1, siltstone, N (0.3)

P12 PL84 5.1/0409 2250
Body sherd, 0.8 cm thick, hard
Exterior burnished (good burnishing striations), polished
Dark brown, burnished black
1

P13 PL84 7.1/0302 1620
Body sherd, 0.8 cm thick, hard
Exterior burnished
Dark grey with red exterior surface, buff interior surface
1, sandstone, N (0.2)

P14 PL84 7.2/0404 1909
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior burnished black (striations visible), polished
Grey with buff surfaces
1, sandstone, N (0.3)
Spalling on exterior surface, probably along the line of a coil junction

P15 PL84 6.7/0338 1441
Body sherd, 0.8 cm thick, hard
N-shaped coil junction
Spatula marks on interior
Exterior burnished black
Grey
2, siltstone, N (0.5)
Spalling on exterior, at coil junction

P16 PL84 6.7/0528 2768
Body sherd, 0.7 cm thick, hard
Marks of interior smoothing with spatula
Exterior burnished brown, polished
Red core, grey interior, brown exterior margin
1

P17 PL84 7.2/0366 2077
Body sherd, 0.6 cm thick, hard
Exterior burnished, polished
Brown with grey exterior margin
1

P18 PL84 6.7/0528 2756
Body sherd, 0.5 cm thick, hard
Coil constructed
Exterior burnished, polished
Black
1

P19 PL84 6.5/0562 2650
Body sherd, 0.7 cm thick, soft
Exterior burnished black, polished
Red interior, grey exterior
2

P20 PL84 7.2/0407 1982
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey
1, sandstone, N (0.2)

P21 PL84 6.7/0481 2392
Body sherd, 0.6 cm thick, hard
Exterior burnished, polished
Grey, burnished black
3, organics (grass impressions, remains)

P22 PL84 6.5/0458 2734
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey with red surfaces
2, organics (grass impressions)

P23 PL84 7.2/0341 2083
Body sherd, 0.4 cm thick, hard
Exterior and interior burnished and polished, impressions of burnishing tool
Grey with brown surfaces
2, sandstone, N (0.4)

P24 PL84 7.1/0302 1623
Body sherd, 0.7 cm thick, hard
Exterior burnished, polished, impressions of burnishing tool
Red with buff exterior margin
1, shell fragments (N)

P25 PL84 6.6/0514 2889
Body sherd, 0.6 cm thick, soft
Exterior burnished, polished
Red with a grey core
2

P26 PL84 7.1/0526 2543
Body sherd, 0.5 cm thick, hard
Exterior burnished
Red exterior, brown interior
1

P27 PL84 7.2/0368 1526
Body sherd, 0.8 cm thick, hard
Exterior smoothed
Grey
1

P28 PL84 6.7/0481 2400
Body sherd, 0.6 cm thick, hard
Coil constructed
Striations on interior from scraping implement
Exterior burnished, polished
Grey with red surfaces
1

P29 PL84 7.2/0442 2124
Body sherd, 0.6 cm thick, hard
Exterior burnished, polished
Black with red exterior surface
1

P30 PL84 7.2/0407 1968
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with red exterior surface
2

P31 PL84 5.1/0409 2569
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey
1, sandstone, N (0.3)

P32 PL84 7.2/0434 1999
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey
1, sandstone N (0.3)

P33 PL84 6.5/0449 2575
Rim sherd, 0.7 cm thick, 14 cm dia, hard
Flattened rim
Exterior burnished
Grey with buff exterior surface
1, siltstone, N (0.2)

P34 PL84 6.5/0562 2747
Rim sherd, 0.7 cm thick, 18 cm dia, hard
Squared-off rim
Exterior burnished, polished
Red with grey core
1

P35 PL84 6.7/0558 2657
Body sherd, 0.3cm thick, hard
Coil constructed (broken off at base)
Spatula marks on interior
Exterior burnished, polished
Grey
1, sandstone, siltstone, N (0.4)

P36 PL84 6.7/0558 2942
Body sherd, 0.7 cm thick, hard
Exterior burnished
Grey core, red surface exterior and interior margins, burnished black
1, sandstone, mudstone, N (0.6)

P37 PL84 6.7/0481 2704
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey with buff exterior margin
1, siltstone, N (1.2)

P38 PL84 6.7/0563 2767
Body sherd, 0.7 cm thick, soft
Exterior burnished, polished
Red, burnished black
2

P39 PL84 6.7/0558 2629
Body sherd, 0.7 cm thick, hard
Exterior burnished
Grey with red interior margin
1
Straight spall, probably along a join (slab construction)

P40 PL84 7.2/0461 2511
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey with brown exterior margin
1
Conchoidal spall

P41 PL84 6.7/0518 2619
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey
1

P42 PL84 7.1/0313 1694
Rim sherd, 0.6 cm thick, 14 cm dia, hard
Rim rounded and grooved under
Exterior and interior burnished
Grey
1
Spalling, wedging voids

P43 PL84 7.1/0302 2200
Body sherd, 0.7 cm thick, hard
Exterior burnished
Grey with brown surfaces
1

P44 PL84 6.5/0536 2603
Rim sherd, 0.7 cm thick, 24 cm dia, hard
Rim slightly flattened in interior
Coil constructed
Good horizontal and vertical spatula marks on interior, marks on exterior probably from trimming tool
Exterior burnished
Grey with buff surfaces
2

P45 PL84 9/0294 1165
Body sherd, 0.9 cm thick, hard
Exterior smoothed
Grey interior, red exterior, brown interior surface - distinct margin
1, sandstone, N (0.2)

P46 PL84 5.1/0409 2271
Body sherd, 0.7 cm thick, soft
Exterior smoothed
Grey with red exterior surface
2, organics (twigs, cereal chaff, grass, cereal grains - remains)

P47 PL84 5.1/0409 2274
Body sherd, 0.5 cm thick, soft
Coil constructed
Buff with grey core
2, organics (remains)

P48 PL84 6.7/0482 2474
Body sherd, 0.8 cm thick, hard
Coil constructed
Grey
1

P49 PL84 6.7/0482 2582
Body sherd, 0.6 cm thick, hard
Exterior smoothed
Grey with red exterior margin, brown interior surface
1

P50 PL84 8.1/0321 1592
Body sherd, 1 cm thick, hard
Coil constructed - broken along N-shaped junction
Red
1, mudstone, N (0.4)

P51 PL84 7.2/0353 1670
Body sherd, 0.9 cm thick, hard
Coil built
Grey interior, red exterior - distinct margin
1, sandstone, N (0.2)
Scraping marks on exterior

P52 PL84 8.2.1/0392 2149
Body sherd, 0.5 cm thick, hard
Grey with brown exterior surface
2, organics (grass remains, voids)

P53 PL84 7.2/0353 1775
Rim sherd, 0.7 cm thick, hard, 26 cm dia
Inbent rim - has been folded over to interior
Coil constructed
Brown exterior, red core, buff interior
1, large quartz, mudstone, N (0.2)

P54 PL84 7.1/0380 1618
Body sherd, 0.8 cm thick, hard
Coil constructed
Grey with brown exterior margin
1

P55 PL84 6.7/0530 2496
Body sherd, 0.5 cm thick, soft
Coil constructed (broken off along coil junction - N-shaped)
Deep spatula marks in interior
Buff interior, grey core, red exterior margin
2, sandstone, N (0.5 cm)

P56 PL84 6.7/0506 2465
Body sherd, 0.9 cm thick, soft
Coil constructed
Brown interior, grey core, red exterior
1, sandstone, large quartz, mudstone, N (0.8)

P57 PL84 6.7/0530 2539
Body sherd, 0.5 cm thick, soft
Coil constructed
Grey with red exterior margin, brown interior margin
2, organics (grass impressions, remains)

P58 PL84 6.1.1/0428 2489
Body sherd, 0.8 cm thick, hard
Brown with red exterior margin
1, sandstone, siltstone, mudstone, 20% (round and angular, 0.4)

P59 PL84 6.5/0536 2602
Body sherd, 0.3 cm thick, hard
Grey with red exterior and interior margins
2

P60 PL84 7.2/0407 1973
Body sherd, 0.6 cm thick, soft
Coil constructed (broken off along coil junction)
Buff exterior, grey interior
2, organics (N)

P61 PL84 6.7/0530 2626
Body sherd, 0.7 cm thick, soft
Grey with red exterior margin
2, organics (N)

P62 PL84 6.7/0481 2486
Body sherd, 0.9 cm thick, hard
Coil constructed
Red exterior, brown interior
1

P63 PL84 6.5/0504 2420
Body sherd, 0.9 cm thick, soft
Coil constructed
Exterior smoothed
Grey with buff interior surface and exterior margin
2

P64 PL84 7.1/0573 2800
Rim sherd, 0.5 cm thick, 18 cm dia, soft
Rounded rim
Globular vessel
Grey with red exterior and interior margins
2, organics (N)

P65 PL84 7.1/0477 2531
Body sherd, 0.7 cm thick, hard
Coil constructed (broken at inflection point)
Exterior burnished (worn off greater part of surface)
Red exterior, grey interior - distinct margin
1

P66 PL84 7.2/0349 1710
Body sherd, 0.6 cm thick, hard
Exterior scraped
Red exterior, grey interior - distinct margin
1, siltstone, N (0.2)

P67 PL84 6.7/0528 2750
Body sherd, 0.7 cm thick, hard
Exterior burnished
Black throughout
1

P68 PL84 7.1/0477 2879
Body sherd, 0.6 cm thick, soft
Exterior scraped
Red with grey core
2
Fire cracking - waster

P69 PL84 7.1/0477 2894
Body sherd, 0.9 cm thick, hard
Coil constructed
Exterior smoothed

Grey with buff exterior margin
2, organics (N)

P70 PL84 7.1/0526 2807
Body sherd, 0.7 cm thick, hard
Grey with buff interior surface margin
2

P71 PL84 6.5/0504 2363
Body sherd, 0.6 cm thick, soft
Grey with red exterior margin, brown interior surface
2

P72 PL84 7.1/0477 2532
Body sherd, 0.7 cm thick, hard
Probably worked on a tournette
Grey throughout
1

P73 PL84 7.2/0349 1716
Body sherd, 0.7 cm thick, hard
Coil constructed
Grey with red interior margin, red exterior surface
1, sandstone, mudstone, 20% (round and angular, 0.2)

P74 PL84 7.2/0368 1525
Body sherd, 0.9 cm thick, hard
Spatula marks on exterior
Grey exterior, brown interior
1, siltstone, N (0.2)

P75 PL84 6.3/0383 2120
Body sherd, 1 cm thick, hard
Coil constructed
Grey with red interior surface
1, sandstone, mudstone, organics (impressions), N
(0.2)

P76 PL84 7.2/0469 2336
Rim sherd, 0.7 cm thick, hard
Plain rim, formed by pressing in each side of top coil
Grey throughout
1

P77 PL84 6.7/0482 2542
Body sherd, 0.7 cm thick, hard
Brown
1

P78 PL84 6.7/0482 2507
Body sherd, 0.7 cm thick, hard
Coil constructed
Exterior burnished
Grey with buff exterior margin
1

P79 PL84 6.7/0530 2667
Body sherd, 0.6 cm thick, hard
Finished on a tournette - parallel interior striations
Exterior burnished (impressions of burnishing tool)
Grey
1
Burnishing layer is peeling off - due to compression of outer layer - possible slip

P80 PL84 6.7/0481 2401
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior burnished
Grey
1

P81 PL84 6.7/0530 2623
Body sherd, 0.9 cm thick, hard
Coil constructed, spatula marks on interior
Exterior burnished
Grey
2, mudstone, sandstone, 10% (round and angular, 0.3)
Spalling

P82 PL84 6.7/0530 2638
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey
1
Internal residue

P83 PL84 6.6/0514 2490
Body sherd, 0.7 cm thick, hard
Exterior burnished
Red exterior, grey interior, burnished black
1
Spalling

P84 PL84 6.7/0530 2663
Body sherd, 0.7 cm thick, hard
Exterior burnished, polished
Red exterior, grey interior
1
Internal residue

P85 PL84 6.6/0514 2471
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey
1
Spalling

P86 PL84 6.7/0558 2662
Body sherd, 0.6 cm thick, soft

Exterior burnished
Grey interior, brown exterior
2, organics (grass imp)

P87 PL84 7.1/0444 2435
Body sherd, 0.4 cm thick, hard
Exterior burnished
Grey
1
Outer layer of a spalled sherd

P88 PL84 6.5/0578 2809
Body sherd, 0.5 cm thick, hard
Grey
1

P89 PL84 7.1/0444 2203
Body sherd, 0.6 cm thick, hard
Grey with red surfaces
2, organics (remains)

P90 PL84 6.5/0578 2680
Body sherd, 0.8 cm thick, hard
Grey with red surfaces
1

P91 PL84 6.5/0617 2839
Body sherd, 1.1 cm thick, hard
Exterior burnished
Grey with brown surfaces
1

P92 PL84 6.5/0578 2724
Body sherd, 0.6 cm thick, hard
Exterior smoothed rather than burnished
Grey with red surfaces
1

P93 PL84 6.5/0617 2843
Body sherd, 0.4 cm thick, soft
Exterior burnished
Grey with red exterior and interior margins
2, organics (grass impressions)

P94 PL84 6.5/0578 2674
Body sherd, 0.7 cm thick, hard
Grey with brown exterior margin
Exterior burnished
1
Internal residue

P95 PL84 6.5/0578 2804
Body sherd, 0.9 cm thick, soft
Coil constructed, interior smoothed with fingers
Exterior burnished

Grey with buff interior surface, red exterior margin
2, organics (barley chaff) (N)

P96 PL84 6.7/0482 2592
Body sherd, 0.7 cm thick, hard
Coil constructed
Grey
1
Probably a waster - evidence of splitting along section

P97 PL84 6.7/0618 2837
Body sherd, 0.9 cm thick, hard
Coil constructed
Exterior smoothed, scraping marks
Grey with red interior margin
2
Spalling on interior

P98 PL84 6.6/0514 2470
Body sherd, 0.9 cm thick, hard
Coil constructed
Exterior burnished
Red
2

P99 PL84 6.7/0530 2666
Body sherd, 0.7 cm thick, hard
Coil constructed
Exterior smoothed
Grey
1
Broken off along coil junction - N-type

P100 PL84 6.7/0530 2653
Body sherd, 0.9 cm thick, hard
Coil constructed (broken off along coil) - H-type
Grey with brown exterior margin
2

P101 PL84 6.7/0481 2402
Body sherd, 0.8 cm thick, hard
Exterior smoothed, spatula marks on interior
Brown
1

P102 PL84 7.1/0444 2431
Body sherd, 0.6 cm thick, hard
Interior smoothed with fingers
Grey with red exterior margin
1, organics (N)

P103 PL84 6.7/0481 2457
Body sherd, 0.7 cm thick, hard
Coil constructed, `combing' on interior

Grey with brown margins, red exterior surface
2, organics (grass impressions, remains)

P104 PL84 6.7/0482 2504
Body sherd, 0.6 cm thick, hard
Grey
1

P105 PL84 6.7/0482 2612
Body sherd, 0.7 cm thick, hard
Grey with red exterior margin
2

P106 PL84 7.1/0444 2872
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey
2
Burnished layer peeling off, spalling

P107 PL84 6.5/0578 2671
Body sherd, 0.6 cm thick, hard
Grey exterior, red interior - distinct margin
2, mudstone, siltstone, 5% (round 0.5)

P108 PL84 6.7/0530 2627
Body sherd, 0.6 cm thick, hard
Grey with brown surfaces
2, organics (impressions)

P109 PL84 6.7/0530 2641
Body sherd, 0.7 cm thick, hard
Grey
1

P110 PL84 6.7/0530 2645
Body sherd, 0.7 cm thick, hard
Grey
1
Spalling

P111 PL84 6.7/0482 2613
Body sherd, 0.8 cm thick, soft
Brown
2

P112 PL84 6.7/0482 2478
Body sherd, 0.8 cm thick, hard
Scraping marks on interior
Exterior burnished
Brown interior surface, red exterior margin
1, sandstone, N (0.4)

P113 PL84 6.7/0482 2518
Body sherd, 0.7 cm thick, hard

Exterior burnished
Red exterior, brown interior
1

P114 PL84 7.1/0444 2546
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with red surfaces
2

P115 PL84 6.7/0558 2655
Body sherd, 0.6 cm thick, soft
Red exterior margin, grey core, brown interior margin
1

P116 PL84 6.7/0558 2648
Body sherd, 0.7 cm thick, hard
Grey with red surfaces
2, siltstone, sandstone, N (0.2)

P117 PL85 5.1/0744 3270
Rim sherd, 0.7 cm thick, hard
Plain rim - top coil pinched together
Grey with red exterior margin
1, siltstone, 20%, (angular, 0.5)

P118 PL84 6.7/0578 2676
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey
1, organics, sandstone, N (0.3)
Crack along section - beginning of spalling, interior layer coming off.

P119 PL85 6.5/0698 3114
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with red surfaces
1, organics, sandstone, N (0.3)

P120 PL84 6.7/0558 2948
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with red surfaces
1, siltstone, sandstone, mudstone, 5% (angular, 0.8)

P121 PL84 6.7/0578 2732
Body sherd, 0.8 cm thick, hard
Grey with brown surfaces
2

P122 PL84 7.1/0444 2549
Body sherd, 0.5 cm thick, soft
Grey with red exterior margin and red interior surface
2

P123 PL84 6.7/0578 2765
Body sherd, 1.1 cm thick, hard
Exterior burnished
Grey with brown exterior and interior margins
1, sandstone, siltstone, N (0.6)

P124 PL84 6.5/0578 2721
Body sherd, 0.8 cm thick, hard
Wiping impressions on interior
Grey throughout
1, siltstone, N (0.4)

P125 PL84 7.1/0444 2354
Body sherd, 0.6 cm thick, soft
Grey throughout
1, organics (grass impressions, remains)

P126 PL84 6.7/0578 2675
Body sherd, 0.5 cm thick, hard
Grey with red interior and exterior surfaces
1, sandstone, N (0.3)

P127 PL84 6.6/0636 3009
Body sherd, 0.7 cm thick, hard
Grey with red exterior margin - distinct
1

P128 PL85 6.5/0697 3130
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey with brown interior and exterior surfaces
1, sandstone, N (0.5)

P129 PL85 5.2/0699 3239
Body sherd, 0.5 cm thick, hard
Grey
1, large quartz, siltstone, N (0.3)

P130 PL85 3.1/0829 3400
Body sherd, 1 cm thick, soft
Grey with red exterior margin
1, siltstone, 20% (angular, 1.0)

P131 PL84 6.5/0617 2911
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey
1

P132 PL85 5.2/0699 3141
Body sherd, 0.5 cm thick, hard
Grey with brown interior surface
2, organics (remains)
Exterior has a red band across it - firing effect

P133 PL85 6.4/0718 3210
Body sherd, 0.5 cm thick, hard
Exterior burnished black, polished
Grey, burnished black
2, organics (grass impressions, remains)
Broken at inflection point
Conchoidal spalling on exterior

P134 PL85 6.6/0636 3013
Body sherd, 0.6 cm thick, hard
Grey with red exterior surface
1

P135 PL84 6.7/0618 2835
Body sherd, 0.7 cm thick, soft
Grey with red exterior margin, interior surface
2, organics (impressions)
?waster - red surface extends over broken edge

P136 PL84 5.1/0744 3336
Body sherd, 0.9 cm thick, hard
Red
1, sandstone, 30% (angular, 0.5)

P137 PL84 7.2/0339 1862
Body sherd, 0.7 cm thick, hard
Brown
1, siltstone, N (0.3)

P138 PL84 8.1/0306 1739
Rim sherd, 0.7 cm thick, soft
Plain rim made by pressing in top of coil, rim slightly inwards
Brown
1, mudstone, sandstone, 10% (round and angular, 0.8)

P139 PL84 8.1/0306 1433
Body sherd, 0.9 cm thick, soft
Grey interior, red exterior
1, large quartz, sandstone, siltstone, mudstone, 20% (round + angular, 0.8)

P140 PL84 7.2/0335 1372
Body sherd, 0.5 cm thick, soft
Grey
1

P141 PL84 8.1/0321 1319
Body sherd, 0.9 cm thick, hard
Coil constructed (broken off along coil junction)
Red exterior, grey interior
1, mudstone, siltstone N (0.8)

P142 PL84 8.1/0388 2289
Rim sherd, 0.5 cm thick, hard
Plain rim, but grooved under
Red
1, sandstone, mudstone, 5% (round, 0.4)

P143 PL84 7.2/0353 1636
Body sherd, 0.8 cm thick, hard
Grey with buff interior margin
1, siltstone, 10% (angular, 0.3)

P144 PL84 7.2/0335 1376
Body sherd, 0.8 cm thick, hard
Brown with grey core
1, siltstone, mudstone, 10% (angular, 0.5)

P145 PL84 7.2/0335 1690
Basal sherd, 0.7 cm thick, hard, 12 cm dia
Base slightly splayed, seems to have been modelled (no coil junctions)
Grey with red core
1, siltstone, mudstone, 5% (angular, 0.5)

P146 PL84 7.2/0339 1852
Body sherd, 0.7 cm thick, hard
Exterior smoothed
Grey
1

P147 PL84 5.1/0409 2270
Body sherd, 1 cm thick, hard
Exterior burnished
Grey with brown exterior surface
1

P148 PL84 7.2/0344 1478
Rim sherd, 0.6 cm thick, soft
Plain rim
Red with grey core
1, sandstone, shell, N (0.2)

P149 PL84 8.2.2/0361 1496
Body sherd, 0.6 cm thick, hard
Coil constructed
Exterior smoothed
Buff exterior, grey interior
1, siltstone, shell, 10% (angular, 0.4)

P150 PL84 8.2.2/0361 1502
Body sherd, 0.8 cm thick, hard
Coil constructed
Red with grey interior margin
1, siltstone, sandstone, mudstone, 10% (angular, 0.5)

P151 PL84 7.2/0344 1586
Body sherd, 0.6 cm thick, hard
Buff with red exterior margin
1 (no mica)

P152 PL84 7.2/0386 1829
Body sherd, 0.7 cm thick, hard
Coil constructed
Brown interior, black exterior
1

P153 PL84 7.2/0386 2563
Body sherd, 0.7 cm thick, hard
Exterior smoothed
Buff throughout
2

P154 PL84 7.2/0344 1581
Body sherd, 0.7 cm thick, hard
Coil constructed
Black throughout
1

P155 PL84 7.2/0344 1507
Basal sherd, 0.8 cm thick, hard, 22 cm dia
Broken off around top of base
Brown with buff exterior surface
1, siltstone, 5% (angular, 0.3)

P156 PL84 7.2/0344 1587
Body sherd, 0.7 cm thick, hard
Grey interior, brown exterior
1

P157 PL84 8.1/0310 1684 (joins 165)
Rim sherd, 0.6 cm thick, 20 cm dia, hard
Rolled over rim
Grey, red exterior margin, red interior surface
2, sandstone, N (0.3)

P158 PL84 8.1/0310 1737
Body sherd, 0.7 cm thick, hard
Grey throughout
1, siltstone, mudstone, N (0.8)

P159 PL84 7.2/0290 1785
Body sherd, 0.8 cm thick, soft
Grey with red surface margins
1 (no mica), siltstone, mudstone, 20% (round and angular, 1.2)

P160 PL84 8.2.2/0370 1582
Body sherd, 0.6 cm thick, soft
Grey with buff surfaces
1, organics (grass impressions)

P161 PL84 7.2/0375 1887
Basal sherd, 0.7 cm thick, hard
Base slightly splayed
Red
1, sandstone, brown (grainy), siltstone, 10% (round and angular, 0.6)

P162 PL84 7.2/0411 1972
Body sherd, 0.5 cm thick, soft
Red with grey core
2, organics (grass impressions)

P163 PL84 7.2/0411 2306
Body sherd, 0.9 cm thick, soft
Grey
1, siltstone, mudstone, 20% (angular, 0.6)

P164 PL84 7.2/0353 2557
Rim sherd, 0.9 cm thick, soft
Red
1, sandstone, siltstone, 20% (round and angular, 1.2)

P165 PL84 8.1/0310 1672 (joins 157)
Rim sherd, 0.7 cm thick, hard, 16 cm dia
Rolled over rim
Grey with red surfaces
2, sandstone, N (0.4)

P166 PL84 8.1/0310 1678
Body sherd, 0.8 cm thick, 20 cm dia, hard
Exterior smoothed
Grey exterior, red interior
1, sandstone, mudstone, 10% (angular, 0.4)

P167 PL84 7.1/0300 1361
Body sherd, 0.5 cm thick, hard
Black throughout
1

P168 PL84 7.1/0300 1185
Body sherd, 0.6 cm thick, hard
Buff interior, red exterior
1

P169 PL84 7.2/0386 1731
Body sherd, 0.5 cm thick, soft
Coil constructed
Red
1, sandstone, 10% (angular, 0.3)

P170 PL84 7.2/0375 1877
Body sherd, 0.8 cm thick, hard
Red exterior, grey interior
1, sandstone, 10% (angular, 0.5)

P171 PL84 8.1/0300 1364
Body sherd, 0.7 cm thick, hard
Grey
1, N (0.3)

P172 PL84 7.2/0386 2565
Body sherd, 0.8 cm thick, hard
Coil constructed
Brown exterior, grey interior
1, siltstone, N (0.4)

P173 PL84 5.1/0409 2268
Body sherd, 0.7 cm thick, soft
Grey with red surface margins
2, sandstone, N (0.4)

P174 PL84 7.2/0375 1585
Body sherd, 0.7 cm thick, soft
Grey with brown exterior margin
1, organics (voids, straw impressions)
Waster - warping

P175 PL84 7.2/0375 1886
Body sherd, 0.5 cm thick, hard
Grey interior, brown exterior
1, sandstone, mudstone, 5% (round, 0.3)

P176 PL84 7.1/0300 1368
Body sherd, 0.6 cm thick, hard
Grey
1

P177 PL84 7.1/0477 2876
Body sherd, 0.7 cm thick, hard
Grey exterior, red interior
1

P178 PL84 5.1/0409 2233
Body sherd, 0.6 cm thick, hard
Grey with red exterior and interior margins
1, sandstone, siltstone, 5% (angular, 0.3)

P179 PL84 5.1/0409 2133
Body sherd, 0.5 cm thick, soft
Black with brown exterior surface
2

P180 PL84 7.1/0477 2523
Rim sherd, 0.5 cm thick, hard
Interior sloped inwards
Smoothing marks on exterior and interior
Grey with buff exterior margin
2

P181 PL84 7.2/0411 1983
Body sherd, 0.6 cm thick, hard
Coil constructed
Black interior, red exterior
1

P182 PL84 8.1/0321 1590
Body sherd, 0.7 cm thick, soft
Coil constructed
Grey with red margins
2, sandstone, N (0.5)
Conchoidal spalling on the exterior

P183 PL84 8.1/0321 1304
Basal sherd, 0.6 cm thick, 12 cm dia, hard
Pedestal, rounded sides
Grey with red exterior margin
1
Heat cracking on surface

P184 PL84 7.1/0416 1942
Rim sherd, 0.6 cm thick, soft
Rolled over rim
Red exterior, grey interior, red interior surface
2, organics (impressions)

P185 PL84 8.1/0321 1595
Body sherd, 0.7 cm thick, hard
Coil constructed
Red exterior margin, grey core, buff interior margin
1, sandstone, N (0.4)
Exterior covered in deposit - organic type (cess pit?)
Interior has sand cover extending over the section.
Oxidation layer extends along break - thrown away when hot?

P186 PL84 5.1/0409 2261
Body sherd, 0.3 cm thick, hard
Exterior burnished
Black
1

P187 PL84 7.2/0368 1523
Body sherd, 0.8 cm thick, hard
Grey interior, brown exterior
1

P188 PL84 7.2/0349 1708
Body sherd, 0.7 cm thick, hard
Grey
1, grey (fine grained), 10% (angular, 0.3)

P189 PL84 8.1/0321 1598
Body sherd, 0.7 cm thick, hard
Buff with grey core

1
Broken at inflection point (waster) - same vessel as P185

P190 PL84 8.1/0321 1570
Body sherd, 0.9 cm thick, hard
Exterior burnished
Grey exterior, brown core, red interior
1, sandstone, siltstone, mudstone, 20% (round and angular, 0.3)

P191 PL84 8.1/0321 1306
Body sherd, 0.4 cm thick, hard
Broken off along coil
Red
1

P192 PL84 7.2/0411 2210
Body sherd, 0.6 cm thick, hard
Grey with brown exterior margin
1, siltstone, sandstone, 10% (angular, 0.3)

P193 PL84 7.2/0349 1720
Body sherd, 0.8 cm thick, hard
Red exterior margin, buff core, grey interior, brown interior surface
1

P194 PL84 7.1/0413 2040
Body sherd, 0.7 cm thick, hard
Grey with red interior surface
2, organics

P195 PL84 7.1/0416 2125
Body sherd, 0.6 cm thick, hard
Grey
1, sandstone, 20% (angular, 0.6)

P196 PL84 7.1/0416 2130
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with brown surfaces
2, large quartz, sandstone, N (0.2)
Conchoidal spalling on both surfaces

P197 PL84 7.2/0381 1807
Rim sherd, 0.8 cm thick, soft
Plain rim
Coil constructed
Red with buff surfaces
1, sandstone, 10% (rounded, 0.4)

P198 PL84 7.2/0381 1824
Body sherd, 0.7 cm thick, hard
Brown core, red interior margin, grey exterior margin
1, sandstone, mudstone, 10% (rounded, 0.2)

P199 PL84 7.2/0381 1822
Body sherd, 0.6 cm thick, hard
Scraping marks on interior
Grey with buff exterior margin
2

P200 PL84 7.2/0349 1705
Body sherd, 0.8 cm thick, hard
Black with red exterior margin
1, mudstone, N (0.2)

P201 PL84 7.2/0411 2160
Body sherd, 0.8 cm thick, hard
Red with black exterior surface
1, sandstone, siltstone, 10% (round, 0.6)

P202 PL84 7.2/0368 1569
Body sherd, 0.9 cm thick, hard
Brown, black core
1, sandstone, 5% (0.3)

P203 PL84 7.2/0368 1528
Body sherd, 0.6 cm thick, hard
Red with grey core
1

P204 PL84 6.5/0574 2766
Body sherd, 0.6 cm thick, hard
Grey with brown exterior surface
2

P205 PL84 7.2/0349 1709
Body sherd, 0.9 cm thick, hard
Grey with buff exterior surface
1, siltstone, 5% (angular, 0.3)

P206 PL84 7.2/0381 1825
Body sherd, 0.6 cm thick, hard
Coil constructed
Brown throughout
1

P207 PL84 6.5/0504 2360
Rim sherd, 0.6 cm thick, hard
Rim rolled over and grooved under exterior smoothed
Grey with red exterior margin, buff interior surface
1

P208 PL84 6.5/0504 2364
Body sherd, 0.7 cm thick, soft

Spatula marks on exterior
Grey with red exterior margin, red interior surface
2
Spalling

P209 PL84 5.1/0409 2219
Body sherd, 0.7 cm thick, hard
Exterior smoothed
Grey exterior, red interior, black exterior surface, buff interior surface
1

P210 PL84 6.7/0433 2140
Body sherd, 0.8 cm thick, soft
Grey with red exterior and interior margins
2

P211 PL84 7.1/0413 2063
Basal sherd, 0.6 cm thick, soft
Footed base
Grey with buff exterior and interior margins
1, organics (N)

P212 PL84 6.1.1/0464 2579
Body sherd, 1.2 cm thick, soft
Grey interior, buff exterior
1, siltstone, 40% (angular, 1.2)

P213 PL84 6.7/0433 2168
Body sherd, 0.8 cm thick, hard
Grey exterior, brown interior
1, large quartz, N (0.2)

P214 PL84 7.1/0413 2057
Body sherd, 0.7 cm thick, hard
Grey with brown exterior margin
2, organics (grass impressions, remains)

P215 PL84 7.2/0368 1580
Body sherd, 0.7 cm thick, hard
Grey
1

P216 PL84 7.1/0413 1995
Body sherd, 0.5 cm thick, soft
Grey
1

P217 PL84 6.7/0420 2266
Body sherd, 0.5 cm thick, soft
Coil constructed
Red
1

P218 PL84 7.1/0302 1194
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished, interior smoothed with spatula and burnished
Buff
1, large quartz, shell (N)

P219 PL84 6.7/0420 2812
Body sherd, 0.6 cm thick, hard
Exterior burnished, polished
Red with grey core
1

P220 PL84 6.7/0420 2591
Body sherd, 0.6 cm thick, soft
Black, red exterior surface, brown interior surface
1, organics (grass impressions, remains)

P221 PL84 6.7/0422 2698
Body sherd, 0.6 cm thick, soft
Exterior burnished
Brown
1, shell (<5%)

P222 PL84 6.7/0422 2067
Body sherd, 0.5 cm thick, hard
Exterior burnished black
Grey
1

P223 PL84 7.1/0416 2053
Body sherd, 0.6 cm thick, hard
Grey, exterior burnished black
Coil constructed
Interior smoothed, perhaps on a tournette
1
Voids probably due to wedging - no remains or impressions

P224 PL84 7.2/0368 1565
Basal sherd, 0.9 cm thick, soft
Straight-sided
Grey interior, red exterior
1, sandstone, large quartz, N (0.2)

P225 PL84 7.2/0368
Body sherd, 0.9 cm thick, soft
Red interior, black exterior
1, sandstone, mudstone, 5% (angular, 0.5)

P226 PL84 7.1/0413 2064
Body sherd, 0.5 cm thick, hard
Black with brown interior margin
1

P227 PL84 7.2/0372 1930
Body sherd, 0.5 cm thick, hard
Exterior burnished
Brown
1

P228 PL84 7.2/0372 1931
Body sherd, 0.5 cm thick, soft
Coil constructed
Grey with red margins
2

P229 PL84 7.1/0302 2693
Body sherd, 0.6 cm thick, soft
Grey with red surfaces
2, organics (N)

P230 PL84 7.1/0413 2693
Body sherd, 0.6 cm thick, soft
Surface decorated with incised lines
Grey with brown surfaces
1

P231 PL84 7.1/0302 1512
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished
Buff
1, shell (N)

P232 PL84 7.1/0302 1945
Body sherd, 0.9 cm thick, hard
Buff interior, black exterior, grey core
Exterior smoothed
1, sandstone, N (0.5)

P233 PL84 6.7/0422 2117
Body sherd, 0.5 cm thick, hard
Black with brown exterior surface
1

P234 PL84 6.7/0422 2232
Body sherd, 0.8 cm thick, soft
Red with grey core
1, sandstone, N (0.3)

P235 PL84 6.5/0446 2222
Body sherd, 0.7 cm thick, soft
Red
1, siltstone, sandstone, 30% (angular, 0.7)

P236 PL84 6.5/0446 2789
Body sherd, 0.5 cm thick, soft
Grey interior, red exterior
2

P237 PL84 6.7/0420 2152
Body sherd, 1 cm thick, soft
Red
2

P238 PL84 6.6/0431 2060
Body sherd, 0.5 cm thick, hard
Grey with brown interior margin, buff exterior margin
2

P239 PL84 6.4/0537 2529
Body sherd, 1 cm thick, soft
Brown interior, red exterior
1, sandstone, 20% (angular, 0.6)

P240 PL84 6.4/0532 2847
Body sherd, 0.6 cm thick, soft
Grey, red surface margins
1, mudstone, N (0.3)

P241 PL84 6.4/0532 2831
Body sherd, 0.6 cm thick, soft
Grey with buff exterior margin
2, organics N

P242 PL84 6.6/0431 2059
Basal sherd, 0.6 cm thick, 18 cm dia, hard
Black with red exterior margin
2, organics N

P243 PL84 6.7/0589 2859
Body sherd, 0.7 cm thick
Exterior burnished
Grey with red interior margin, brown exterior margin
1

P244 PL84 6.4/0532 2488
Rim sherd, 0.5 cm thick, 10 cm dia, hard
Everted rim
Burnishing striations visible
Exterior burnished, extending over rim interior
Black
1

P245 PL84 7.1/0302 1516
Body sherd, 0.9 cm thick, soft
Red with black exterior (probably through secondary sooting)
1, sandstone, siltstone, 5% (0.6)

P246 PL84 6.3/0584 2742
Body sherd, 0.7 cm thick
Exterior smoothed
Black with red surface margin
2

P247 PL84 6.7/0353 1637
Basal sherd, 0.9 cm thick, 12 cm dia, hard
Base formed from spiral coil
Red
1, large quartz, sandstone, siltstone, 10% (round and angular, 0.8)

P248 PL84 6.5/0505 2408
Body sherd, 0.8 cm thick, soft
Grey with buff exterior margin
1, sandstone, siltstone, N (0.2)

P249 PL84 6.5/0505 2409
Body sherd, 0.4 cm thick, soft
Red with a grey core
2

P250 PL84 6.3/0584 2753
Body sherd, 1 cm thick, (has adjoined base), soft
Exterior smoothed
Black with buff interior surface
1, organics (grass remains, impressions)

P251 PL84 6.5/0574 2805
Body sherd, 0.7 cm thick, soft
Exterior burnished
Red with black exterior surface
2

P252 PL84 6.5/0578 2710
Body sherd, 0.5 cm thick, soft
Exterior burnished
Red with brown surfaces
1

P253 PL84 6.5/0578 2711
Rim sherd, 0.6 cm thick, hard
Rim probably inturned
Grey with red margins
1

P254 PL84 6.5/0578 2769
Body sherd, 0.8 cm thick, hard
Grey
1, sandstone, N (0.5)

P255 PL84 6.5/0578 2730
Body sherd, 0.6 cm thick, hard
Exterior smoothed

Grey with brown exterior and interior margins
1

P256 PL84 7.2/0414 1979
Body sherd, 0.6 cm thick, hard
Red with grey core
2

P257 PL85 5.1/0691 3145
Body sherd, 0.5 cm thick, hard
Exterior burnished
Grey
1, siltstone, N (0.6)

P258 PL85 3.1/0851 3402
Body sherd, soft
Brown
1, mudstone, 60% (angular, 0.4)

P259 PL85 3.1/0867 3464
Body sherd, 1.1 cm thick, soft
Brown interior, red exterior
1, sandstone, 40% (angular, 0.8)

P260 PL85 3.1/0867 3465
Body sherd, 0.6 cm thick, soft
Red
2, sandstone, siltstone, 50% (angular, 0.8)

P261 PL85 3.1/0867 3452
Body sherd, 0.8 cm thick, soft
Brown
1, mudstone, 50% (round, 0.6)

P262 PL85 6.2/0715 3218
Body sherd, 0.6 cm thick, hard
Exterior burnished, polished
Grey
1

P263 PL85 3.1/0851 3457
Body sherd, soft
Red
1, siltstone, 30% (angular, 0.8)

P264 PL85 3.1/0851 3450
Body sherd, 1.0 cm thick, soft
Coil constructed (broken off along junction) - N-shaped junction
Brown
1, siltstone, mudstone, 20% (round and angular, 0.8)

P265 PL85 3.1/0851 3420
Body sherd, 0.6 cm thick, soft
Brown

1, large quartz, siltstone, 20% (round and angular, 0.5)

P266 PL85 3.1/0851 3416
Body sherd, 0.8 cm thick, soft
Grey with buff surfaces
1, mudstone, 30% (angular, 0.6)

P267 PL84 6.2/0586 2956
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with brown surfaces
2, organics (grass impressions, remains)

P268 PL84 6.3/0584 2744
Body sherd, 0.6 cm thick, hard (has joined rim)
Grey with brown exterior surface
2, organics (grass impressions, remains)

P269 PL84 6.4/0495 2912
Body sherd, 0.5 cm thick, soft
Grey with red surfaces
1

P270 PL84 6.4/0426 2035
Body sherd, 0.9 cm thick, hard
Coil constructed
Grey with red exterior margin, buff interior margin
1

P271 PL84 6.2/0586 2757
Body sherd, 0.5 cm thick, soft
Red interior, grey exterior, red exterior surface
2

P272 PL84 7.2/0412 2068
Body sherd, 0.7 cm thick, soft
Coil constructed
Exterior burnished
Grey with red exterior margin
2

P273 PL84 6.4/0532 2780
Body sherd, 0.6 cm thick, hard
Exterior burnished (burnishing striations)
Grey
1

P274 PL84 7.2/0353 1736
Body sherd, 0.5 cm thick, soft
Red with grey core
1, shell, grey (grainy), N (0.6)

P275 PL84 6.7/0589 2860
Body sherd, 0.4 cm thick, hard

Exterior burnished
Grey with brown surfaces
1

P276 PL84 6.5/0505 2407
Body sherd, 0.6 cm thick, soft
Grey with red surfaces
2, organics (N)

P277 PL84 7.2/0353 1740
Body sherd, 0.7 cm thick, soft
Buff with grey core
2

P278 PL84 7.2/0353 1784
Body sherd, 0.6 cm thick, soft
Grey with buff exterior margin
1
Internal residue

P279 PL84 7.2/0386 1746
Body sherd, 0.6 cm thick, soft
Grey exterior, brown interior
1

P280 PL84 7.2/0412 2142
Basal sherd, 0.7 cm thick, soft
Black with brown margins
2, organics (grass impressions, remains)
Spalling - outer layer

P281 PL84 6.2/0586 2940
Body sherd, 0.5 cm thick, hard
Grey
1
Internal residue

P282 PL84 7.2/0375 1892
Body sherd, 0.8 cm thick, hard
Grey with red interior margin, buff exterior surface
1, siltstone, N (0.3)

P283 PL84 6.2/0586 2761
Body sherd, 0.4 cm thick, hard
Exterior smoothed
Black with brown exterior margin
2

P284 PL84 6.4/0492 2616
Body sherd, 0.9 cm thick, hard
Grey with red surfaces
1

P285 PL84 6.4/0492 2618
Body sherd, 0.9 cm thick, hard

Brown interior, grey exterior, brown exterior surface
1

P286 PL84 7.2/0353 1621
Body sherd, 0.8 cm thick, hard
Brown with red interior surface
1, sandstone, siltstone, large quartz, 20% (angular, 0.3)

P287 PL84 7.2/0412 2148
Body sherd, 0.8 cm thick, soft
Brown
1, large quartz, N (0.2)

P288 PL84 7.2/0412 2164
Body sherd, 0.7 cm thick, soft
Brown with red exterior
2, organics N

P289 PL84 7.2/0412 2234
Body sherd, 0.6 cm thick, soft
Coil constructed (broken off along coil)
Brown with red exterior surface
2, organics N

P290 PL84 7.2/0412 2061
Body sherd, 0.7 cm thick soft
Grey with red exterior surface
2, organics (grass impressions)

P291 PL84 7.2/0412 2189
Body sherd, 0.8 cm thick, soft
Red with grey core
2, organics (grass impressions)

P292 PL84 7.2/0414 1955
Body sherd, 0.5 cm thick, hard
Exterior smoothed
Grey with brown surfaces
1

P293 PL84 7.2/0414 1952
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished, interior has spatula marks
Grey with red interior margin, brown exterior layer
1, large quartz, N (0.2)

P294 PL84 6.1.1/0428 1970
Body sherd, 0.5 cm thick, soft
Grey with buff exterior margin
1, large quartz, N (0.2)

P295 PL84 7.2/0414 1924
Body sherd, 0.5 cm thick, soft

Grey, brown exterior margin, red surfaces
2, siltstone, N (0.5)

P296 PL84 6.1.1/0428 1984
Body sherd, 0.4 cm thick, soft
Exterior burnished
Grey with red surfaces
2

P297 PL85 3.1/0873 3454
Body sherd, 0.5 cm thick, soft
Red
1, sandstone, siltstone, (40% angular, 0.3)

P298 PL85 3.1/0873 3453
Body sherd, 1.2 cm thick, soft
Red
1, siltstone, 30% (round and angular, 1.2)

P299 PL85 3.1/0873 3447
Body sherd, 0.5 cm thick, soft
Interior smoothed
Red
1, sandstone, 50% (angular, 0.5)

P300 PL85 6.4/0718 3250
Body sherd, 0.6 cm thick, hard
Straw impression on exterior
Grey interior, brown exterior
1

P301 PL85 6.4/0724 3297
Body sherd, 0.6 cm thick, hard
Exterior burnished
Grey with brown surfaces
1

P302 PL85 3.1/0812 3390
Body sherd, 1 cm thick, hard
Grey exterior, brown interior
1, siltstone, 30% (angular, 0.8)

P303 PL85 6.2/0715 3158
Body sherd, 0.9 cm thick, hard
Grey with red exterior margin, brown interior surface
2

P304 PL85 3.1/0873 3448
Body sherd, 1.4 cm thick, hard
Red exterior, brown interior
1, sandstone, 50% (angular, 1.2)

P305 PL85 4.1/0704 3346
Body sherd, 1.3 cm thick, soft
Red
1, sandstone, 50% (angular, 1.2)

P306 PL85 3.1/0873 3469
Body sherd, 0.7 cm thick, soft
Exterior burnished
Brown
1

P307 PL85 3.1/0829 3467
Body sherd, 1 cm thick, soft
Red
1,sandstone, siltstone, 10% (angular, 0.3)

P308 PL85 6.1.2/0771 3325
Body sherd, 0.5 cm thick, soft
Exterior burnished, polished
Grey with brown exterior margin, black burnished
2, organics N

P309 PL85 6.4/0718 3155
Body sherd, 0.6 cm thick, hard
Grey with brown interior surface
1

P310 PL85 3.1/0854 3393
Body sherd, 0.8 cm thick, soft
Exterior smoothed
Red
1, siltstone, 50% (angular, 0.8)

P311 PL85 6.5/0697 3057
Body sherd, 0.5 cm thick, soft
Black with red surfaces
1, organics (grass impressions)

P312 PL85 3.1/0829 3407
Body sherd, 0.6 cm thick, soft
Red interior, black exterior
1, sandstone, 5% (angular, 0.8)

P313 PL85 3.1/0829 3422
Part of a basal sherd, 1 cm thick, soft
Red
2, sandstone, 10% (round, 0.8)

P314 PL85 6.2/0715 3290
Body sherd, 0.8 cm thick, soft
Exterior smoothed (layer peeling off)
Red
1

P315 PL85 6.1.2/0771 3366
Body sherd, 0.8 cm thick, hard
Exterior burnished
Grey with brown surfaces
2

P316 PL85 3.1/0812 3442
Body sherd, 1.6 cm thick, soft
Brown
1, siltstone, 40% (angular, 0.8)

P317 PL85 7.2/0412 2066
Body sherd, 1.6 cm thick, soft
Red exterior margin, grey
2

P318 PL84 7.2/0412 1964
Body sherd, 0.8 cm thick, soft
Red exterior, grey core, brown interior
2

P319 PL84 7.2/0412 2147
Body sherd, 0.8 cm thick, soft
Exterior smoothed
Red exterior, grey core, brown interior
2

P320 PL84 7.2/0414 1997
Body sherd, 0.8 cm thick, hard
Coil constructed
Exterior burnished
Grey with brown exterior margin
1

P321 PL84 7.2/0414 1991
Body sherd, 0.8 cm thick, soft
Red with brown exterior
1, sandstone, siltstone, 50% (angular, 0.6)

P322 PL85 3.1/0812 3386
Body sherd, 1 cm thick, soft
Brown
1, siltstone, 50% (angular, 1.4)

P323 PL85 3.1/0867 3423
Body sherd, 0.7 cm thick, soft
Red with grey exterior margin
1, sandstone, siltstone, 40% (round and angular)

P324 PL85 3.2/0830 3348
Body sherd, 1.3 cm thick, soft
Grey interior, brown exterior
2, siltstone, 40% (angular, 0.8)

P325 PL85 4.1/0704 3345
Body sherd, 0.9 cm thick, soft
Red
1, siltstone, 50% (round, 0.6)

P326 PL85 3.1/0851 3458
Body sherd, 1 cm thick, soft
Red with black exterior surface
1, siltstone, 10% (angular, 1.5)

P327 PL85 3.1/0829 3460
Body sherd, 0.8 cm thick, soft
Exterior smoothed
Grey interior, buff exterior
2

P328 PL85 6.4/0714 3120
Body sherd, 0.7 cm thick, soft
Exterior burnished, polished
Grey with black exterior surface, brown interior surface
2, organics N

P329 PL85 6.4/0714 3124
Body sherd, 0.7 cm thick, hard
Exterior burnished
Grey interior, brown exterior
1, siltstone, N (0.8)

P330 PL85 6.4/0724 3305
Body sherd, 0.8 cm thick, hard
Exterior and interior smoothed
Grey interior, red exterior - distinct margin
1

P331 PL85 3.1/0812 3389
Body sherd, 1 cm thick, soft
Brown with red exterior margin
1, sandstone, siltstone, 20% (angular, 0.8)

P332 PL85 3.1/0812 3381
Body sherd, 1.4 cm thick, soft
Black with red exterior margin
1, sandstone, siltstone, 40% (round and angular, 0.5)

P333 PL85 6.4/0718 3247
Body sherd, 0.7 cm thick, soft
Exterior burnished
Grey with brown exterior margin
2

P334 PL85 3.1/0873 3417
Basal sherd, 1 cm thick, soft
Grey with red surfaces
1, sandstone, siltstone, 40% (angular, 0.6)

P335 PL85 6.4/0714 3123
Body sherd, 0.5 cm thick, hard
Grey
2, sandstone, 20% (round, 0.4)

P336 PL85 6.4/0714 3122
Body sherd, 0.7 cm thick, hard
Exterior burnished, polished
Spatula marks in interior
Grey with brown surfaces
2

P337 PL85 6.3/0747 3362
Body sherd, 0.7 cm thick, hard
Black, red surfaces
1
?waster - red extends over break

P338 PL85 6.3/0752 3298
Body sherd, soft
Red exterior surface, black interior
1, siltstone, 10% (angular, 0.3)

P339 PL85 6.3/0752 3253
Body sherd, 0.6 cm thick, soft
Red with brown surfaces
1

P340 PL85 4.1/0704 3333
Body sherd, 0.9 cm thick, hard
Grey
2, siltstone, 30% (angular, 0.6)

P341 PL85 4.1/0704 3340
Body sherd, 1.4 cm thick, soft
Grey interior, red exterior - distinct margin
1, sandstone, siltstone, 40% (angular, 0.8)

P342 PL85 6.3/0747 3356
Body sherd, 0.8 cm thick, soft
Brown interior, buff exterior
1

P343 PL85 6.3/0747 3257
Body sherd, 0.6 cm thick, soft
Exterior smoothed
Grey with red interior margin
2

P344 PL85 6.3/0747 3359
Body sherd, 0.9 cm thick, hard
Grey with red exterior margin, buff interior surface
1

P345 PL86 8.2.3/2028 4353
Body sherd, 1.5 cm thick, soft
Red
2, sandstone, 30% (angular, 0.8)

P346 PL86 8.2.2/2038 4571
Rim 0.5 cm thick, 26 cm diameter, soft
Rim flattened and pinched over
Red
2, organics (grass impressions)

P347 PL86 8.2.3/2092 4574
Body sherd, 0.7 cm thick, soft
Coil built
Red with grey core
2, organics (grass impressions)

P348 PL86 9/2008 4385
Body sherd, 0.8 cm thick, soft
Red with black core
2, organics (grass impressions)

P349 PL86 2.2/1296 4931
Body sherd, 1.2 cm thick, soft
Red exterior margin, black interior
1, large voids

P350 PL86 2.2/1299 4936
Body sherd, 1.4 cm thick, soft
Coil constructed
Red exterior, black interior
2, mudstone, N (0.6)

P351 PL86 2.2/1301 4987
Body sherd, 1.2 cm thick, soft
Red
1

P352 PL86 2.2/1301 4987
Body sherd, 1.0 cm thick, soft
Red
1

P353 PL86 2.2/1304 5006
Body sherd, 0.9 cm thick, soft
Red with black exterior
3

P354 PL86 2.2/1296 4931
Body sherd, 1.2 cm thick, soft
Red
2, shell voids

P355 PL86 2.2/1302 5029
Basal sherd, 1.5 cm thick, soft

Black with red interior surface
1, shell voids

P356 PL86 2.2/1299 4935
Body sherd, 1.2 cm thick, soft
Red with black exterior
1, shell voids

P357 PL86 2.2/1299 4938
Body sherd, 1.9 cm thick, soft
Red exterior, black interior
1, shell voids

P358 PL86 2.2/1301 4973
Body sherd, 1.5cm thick, hard
Brown
1

P359 PL86 6.3/587 2712
Rim sherd, 0.6 cm thick, soft
Rolled-over rim
Red with grey core
2, organics (grass impressions)

P360 PL86 6.5/551 2720
Rim sherd, 0.6cm thick, 20cm diameter, hard
Rounded rim with a slight groove under it
2, organics (grass impressions)

P361 PL86 6.3/582 3128
Rim sherd, 0.5 cm thick, hard
Plain rim, slightly flattened
Grey
1, organics (grass impressions)

P362 PL86 3.1/829 3446
Body sherd, 0.8 cm thick, soft
Red
1, siltstone, (angular, 0.6) 30%

P363 PL86 3.1/842 3491
Rim sherd, 1.6 cm thick, soft
Thick rim, plain or slightly everted, sloping to shoulder.
Red
1, sandstone, N (0.9)

P364 PL86 3.1/887 3499
Body sherd, 1.3 cm thick, soft
Red/grey patchy
2, large voids
N-shaped coil junctions

P365 PL86 3.1/873 3503
Decorated body sherd, 1.1 cm thick, hard

Grey
1, mudstone, (angular, 0.7) 60%
Grooved ware - rim from same vessel is scalloped.
Protruding 'cordon' - one strip has come off.

P366 PL86 6.2/889 3561 (residual Neo)
Body sherd, 1.5 cm thick, soft
Red
2

P367 PL86 6.2/889 3565 (residual Neo)
Body sherd, 1.4 cm thick, soft
Grey exterior, buff interior
2, shell voids

P368 PL86 3.2/830 3648E
Body sherd, 2.1 cm thick, soft
Red exterior, grey interior
1, sandstone, (angular, 0.6), 30%

P369 PL86 3.2/851 3619F
Body sherd, 0.9 cm thick, soft
Red exterior, grey interior
1, mixed gravel, 10% (round and angular, 0.6)

P370 PL86 7.2/373 3670B
Basal sherd, 1.0 cm thick, 18 cm diameter, hard
Plain base, straight-sided vessel
Exterior slipped -2
Grey with buff exterior surface
1, sandstone, 50% (angular)

P371 PL86 3.1/942 3677
Body sherd, 0.8 cm thick, soft
Brown
2, shell voids

P372 PL87 2.3/1079 3680
Body sherd, 1.2 cm thick, soft
Red
1, shell voids

P373 PL86 9/2054 4416
Body sherd, 0.5cm thick, hard
Grey
1, organics (grass impressions)

P374 PL86 9/2054 4417
Body/basal sherd, 0.8cm thick, hard
Grey with red exterior surface
1, organics (grass impressions)

P375 PL86 8.2.2/2038 4487
Body sherd, 0.5cm thick, soft
Brown with grey core
2, organics (grass impressions)

P376 PL86 8.2.2/4569 4569
Rim sherd, 0.9cm thick, soft
Flattened rim
Red with grey core
1

P377 PL86 8.2.1/2110 4674
Basal sherd, 0.7cm thick, soft
Flat part of base
Grey with red exterior surface
2, organics (grass impressions)

Skaill (Information from Jane Bellam)

Key to fabrics from Skaill -

1: Anisotropic matrix of fired clay with occasional sub-rounded quartz and occasional dyke rock inclusions.
1.1: Dolerite inclusions 30%
1.2: Olivine dolerite inclusions containing biotite, pyroxines, altered felspars, red isotropic minerals, 25-35%

2: Similar to fabric 1, but the rock inclusions consist mainly of pyroxines and altered feldspars.
2.1: Sub-rounded, fine and coarse-grained sandstone. Inclusions - Olivine dolerite 15-20%
2.2: Sandstone 15%, olivine dolerite 25%
2.3: Olivine dolerite 15%
2.4: Clay pellets 10%, olivine dolerite 20%
2.5: Olivine dolerite 5%

3: Anisotropic matrix of fired clay, frequent angular voids, mica. Frequent igneous inclusions - biotite, mica, opaques.

4: Anisotropic matrix of fired clay, elongated voids probably form burnt out organics, pyroxine, igneous inclusions - natural.

5: Anisotropic matrix of fired clay with medium amounts of quartz - 30% of matrix. Occasional sandstone, plagioclase feldspar, etc.

6: Anisotropic matrix of fired clay containing frequent quartz - 30% of matrix, occasional mica. Sandstone 1-20%, ferruginous pellets 2%

7: Anisotropic matrix of fired clay 30-40%, frequent mica, occasional sandstone or siltstone.

8: Anisotropic matrix of fired clay, occasional quartz, mica and ferruginous pellets, occasional sandstone.

9: Anisotropic matrix of fired clay, occasional sandstone.

10: Anisotropic matrix of fired clay, medium amount of quartz - 15%, occasional calcareous material. Frequent ferruginous pellets - 5%

11: Anisotropic matrix of fired clay, 5% quartz, 3% sandstone, frequent voids - organics, occasional plagioclase, feldspars and mica.

12: Anisotripic matrix of fired clay, occasional mica, 20% voids - organics, 20% quartz, occasional plagioclase feldspars, occasional ferruginous pellets.

13: Anisotropic matrix of fired clay, occasional quartz, occasional ferruginous sandstone - 5%. Frequent calcareous material, possibly fossil shell- 5%, frequent red/brown opaques, 10%

DD1 1977, Cat No 380, Context 6.2
Body sherd, 1.2 cm thick, hard
Fabric 1.3

DD2 1977, Cat No 368, Context 6.1
Body sherd, 0.7 cm thick, hard
Fabric 6

DD3 1979, Cat No 252, Context 6.2
Rim sherd, 1.0 cm thick, hard
Rim flared, everted
Fabric 5

DD4 1977, Cat No 383, Context 6.2
Rim sherd, 1.9 cm thick, hard
Straight, round tip
Fabric 2.2

DD5 1977, Cat No 409, Context 6.2B
Body sherd, 1.5 cm thick, hard
Fabric 3

DD6 1977, Cat No 415, Context 6.2B
Rim sherd, 1.4 cm, medium
Straight rim, round tip
Fabric 1.1
Inner residue

DD7 1977, Cat No 422, Context 6.2B
Body sherd, 1.5 cm, medium
Fabric 2.1

DD8 1981, Cat No 246, Context 6.5/6
Body sherd, 1.0 cm, medium
Fabric 2.4

DD9 1981, Cat No 165, Context 6.3B
Body sherd, 0.5 cm, hard
Outer burnish and inner toolmarks
Fabric 9

DD10 1981, Cat No 15, Context 6.2
Body sherd, 0.6, hard
Outer burnish
Fabric 13
Spalling

DD11 1977, Cat No 369, Context 77.61
Body sherd, 0.8 cm, hard
Fabric 2.5

DD12 1977, Cat No 429, Context 6.2B
Body sherd, 0.8 cm, soft
Fabric 2.5

DD13 1975, Cat No 613, Context 6.3
Fabric 12

DD14 1981, Cat No 124, Context 6.81
Body sherd, 0.5 cm, hard
Outer burnish, inner toolmarks
Fabric 10

DD15 1981, Cat No 139, Context 6.3
Rim sherd, 0.4 cm, hard
Strongly everted rim
Fabric 11

DD16 1977, Cat No 370, Context 6.1
Rim sherd, 0.5 cm, medium
Beaded rim
Fabric 7

DD17 1977, Cat No 412, Context 6.2B
Rim sherd, 1.0 cm, hard, 18 cm dia
Lipped rim
Fabric 4
Inner residue

DD18 1977, Cat No 361, Context 6.1
Body sherd, 0.7 cm, hard
Fabric 1.2

DD19 1975, Cat No 612, Context 6.3
Body sherd, 0.6 cm, soft
Inner tool marks
Fabric 12

DD20 1981, Cat No 225, Context 6.3B
Body sherd, 0.6 cm, hard
Outer burnish
Fabric 6

DD21 1981, Cat No 4, Context 6.2
Rim sherd, 0.7 cm, hard
Flared everted rim
Inner toolmarks, outer burnish
Fabric 10

DD22 1981, Cat No 124, Context 6.3
Fabric 8

DD23 1973, Cat No 786, Context 6.2
Basal sherd, 1.0, hard
Perimeter channel and central dimple
Fabric 6

DD24 1981, Cat No 118, Context 6.3B
Body sherd, 0.7 cm, hard
Fabric 6

DD25 1981, Cat No 120, Context 6.3B
Body sherd, 0.8 cm, hard
Fabric 13
Spalling

DD26 1977, Cat No 363, Context 6.1
Body sherd, 0.6 cm, hard
Outer burnish
Fabric 5

DD27 1981, Cat No 9, Context 6.2
Body sherd, 0.6 cm, hard
Outer burnish and inner toolmarks
Fabric 6

DD28 1977, Cat No 384, Context 6.2
Rim sherd, 0.5 cm, hard
Beaded rim
Outer burnish
Fabric 8

DD29 1981, Cat No 121, Context 6.3B
Body sherd, 0.5 cm thick, hard
Fabric 11
Inner residue

DD30 1981, Cat No 157, Context 6.3B
Body sherd, 0.5 cm thick, hard
Outer burnish and inner toolmarks
Fabric 13

DD31 1981, Cat No 161, Context 6.3B
Body sherd, 0.5 cm thick, hard
Outer burnish and inner toolmarks
Fabric 13

DD32 1981, Cat No 145, Context 6.3B
Body sherd, 0.7 cm thick, hard
Outer burnish
Fabric 13
Spalling

DD33 1981, Cat No 65, Context 6.3
Body sherd, 0.6 cm thick, hard
Outer burnish and inner toolmarks
Fabric 10
Lime spalling

DD34 1981, Cat No 85, Context 6.3
Rim sherd, 0.6 cm thick, hard
Outer burnish and inner toolmarks
Fabric 5

DD35 1981, Cat No 370, Context 6.1
Rim sherd, 0.5 cm thick, medium
Beaded rim
Fabric 7

DD36 1981, Cat No 187, Context 6.3B
Body sherd, 0.5 cm thick, soft
Outer tool marks
Fabric 7

DD37 1981, Cat No 180, Context 6.3B
Body sherd, 0.9 cm thick, soft
Fabric 12
Grass marks on surfaces

DD38 1974, Cat No 634, Context 6.2B
Rim sherd, 0.7 cm thick, hard
Rim - straight, round tip
Outer burnish, inner toolmarks
Fabric 9

DD39 1979, Cat No 252, Context 1004B
Rim sherd, 1.0 cm thick, hard
Flared everted rim
Fabric 5

DD40 5.3
Redeposited clay from Rigan of Kawi, Deerness

DD41 4.3
Clay from burn near site 6, Skaill, Deerness
HY 586065

DD42 3.3
Clay from gully bottom of Gloup, Deerness
HY 594078

DD43 2.3
Boulder clay from Gloup, Deerness
HY 594078

DD44 1.3
Gley on top of boulder clay at Gloup, Deerness
HY 594078

APPENDIX 3: CATALOGUE OF CLAY SAMPLES

A1 From bottom of cliff section on Lambaness - 2m from the top of the section
Unfired Brown 3B, fired Brown 4B
Good firing
1, shell, sandstone, opaques, siltstone 0.2, 5%

A2 From flat area at the Point of Lambaness - augered from surface to a depth of 0.3m
Unfired Brown 2A, fired Brown 3A
Cracked on firing (mudlike), claylike in unfired state
1 (very little mica), organics (grass roots), sandstone, 0.2, 1%

A3 From Lambaness - augered from surface to a depth of 0.3m
Unfired Brown 2A, fired Brown 3A
Cracked on firing (mudlike)
1 (very little mica), large quartz, sandstone (micaceous), opaques, siltstone, 0.4, 5%

A4 From Lambaness - augered from surface to a depth of 0.3m
Unfired Brown 2A, Fired Brown 3A
Cracked on firing (mudlike)
1 (no mica), sandstone, 0.3, <1%

A5 From Lambaness - augered from a ditch cut 1.5m deep
Unfired Brown/Red 4B (Buff), fired Brown/Red 5A (Yellow)
Very brittle on firing
1, (95% quartz), mica, shell fragments

A6 From field, augered 0.7m below the surface
Unfired Brown/Red 3A (Brown), fired Brown 3A
Cracked on firing (mudlike)
1 (little mica), sandstone, 0.2, <1%

A7 From a ditch at the roadside, 0.5m deep, augered for a further 0.5m
Unfired Yellow/Brown 2A (Brown), fired Brown 4A
Good firing
1

A8 As A7, but 0.2m deeper
Unfired Yellow/Brown 2A (Red), fired Brown 4A (Red)
Good firing
2

A9 From a ditch 0.75m deep, augered a further 1 m into the side
Unfired Yellow/Brown 3A (Brown), fired Brown 4A (Red)
Good firing
2

A10 From the bottom of a ditch, 0.7m deep
Unfired Brown 3B, fired Brown 3A
Cracked on firing (mudlike)
1 (little mica), sandstone, siltstone, mudstone, 0.6, 20%

A11 As A10, but 0.3m deeper
Unfired Brown 3B, fired Brown 4B
Good firing
1 (little mica), siltstone, mudstone, 0.3, 5%

A12 From the bottom of a ditch 2m deep
Unfired Yellow/Brown 3A (Red), Fired Yellow/Brown 3B (Brown)
Brittle on firing
2, 90% quartz, sandstone, 0.4, <5%

A13 From a field, augered to a depth of 0.5m
Unfired Brown 4A (Grey), fired Green/Brown 7A (Grey)
Reasonable firing
80% quartz, very little mica, some grass

A14 Close to A13, but augered 0.2m deeper
Unfired Brown/Red 4A (Buff), fired Brown/Red 5A (Buff)
Reasonable firing
1, large quartz, sandstone, 0.4, <5%

B1 From near 10m contour, augered 0.5m from surface
Unfired Brown 3A, fired Brown 3A
Cracked on firing (mudlike)
1, sandstone, 0.4, 5%

B2 From near 10m contour, augered 0.5m from surface
Unfired Brown 3B, fired Brown 3A
Cracked on firing (mudlike)
1, sandstone, 0.3, <1%

B3 From between 10 and 15m contours, augered 0.3m from surface
Unfired Brown 3A, fired Brown 4A
Good firing
1, sandstone, 0.1, <1%

B4 As B3, but 0.5m deeper
Unfired Brown 4B (Buff), fired Brown/Red 5A (Buff)
Good firing
1, sandstone, opaques, 0.1, <1%

B5 As B4, but 0.2m deeper
Unfired Brown 3B, fired Brown/Red 5A (Brown)
Good firing
1, organics (some roots)

B6 From between 15 and 20m contours, augered 0.3m from surface
Unfired Brown 3B, fired Brown/Red 5A (Brown)
Good firing
1, sandstone, 0.3, <1%

B7 From 30m contour in area of deep ploughing
Unfired Brown 3B, fired Brown 3A
Cracked on firing (mudlike)
1, siltstone, sandstone, 0.3, 5%

B8 From between 20 and 25m contour in area of deep ploughing
Unfired Brown 3B, fired Brown 4A
Cracked on firing (mudlike)
1, quartzite, brown sandstone, large quartz, musdstone, <5%

B9 From 15m contour in area of deep ploughing
Unfired Brown 3B, fired Brown 3A
Cracked on firing
1, sandstone, 0.2, <5%

C1 From cliff section 400m from site (red clay between yellow and red sandstone)
Unfired Yellow/Brown 3B (Red), fired Yellow/Brown 4A (Red)
Good firing
2, sandstone, 0.1

C2 From cliff section near site - same section as C1, but 20m nearer site
Unfired Yellow/Brown 4A (Red), fired Yellow/Brown 4A (Red)
Good firing
2, similar to C1, but finer

C3 From cliff section 30m nearer site than C1 - green clay
Unfired Brown/Green 5A (Buff), fired Brown/Red 5A (Green)
Good firing
2

C4 As C3, but red clay below green clay
Unfired Brown 4A (Red), fired Yellow/Brown 5A(Brown)
Good firing
2

C5 From cliff section 30m nearer site than C3 - red clay
Unfired Yellow/Brown 3A (Red), fired Yellow/Brown 5A (Red)
Good firing
2, sandstone, 0.7, <5%

C6 As C5, but mixed green and red clay
Unfired Yellow/Brown 3A (Red), fired Yellow/Brown 5A (Brown)
Good firing
2

C7 As C5, but green clay
Unfired Brown/Yellow 4A (Buff), fired Brown 5A (Yellow)
Good firing
2

C8 From cliff section 50m nearer site than C5 - same section as C5
Unfired Brown/Yellow 5B (Buff), fired Brown/Yellow 6A (Yellow)
Brittle on firing
90% quartz

C9 From cliff section 50m nearer site than C8 - gold clay from bottom of section
Unfired Brown/Yellow 5B (Red), fired Yellow/Brown 4B (Yellow)
Good firing
2

D From cliff section at Braeswick
Unfired Yellow/Brown 3A (Red), fired Yellow/Brown 4A (Red)
Good firing
1

E1 From North Ayre, Eday
Unfired Brown 3B, fired Yellow/Brown 4B (Brown)
Good firing
1 (little mica), quartzite, sandstone, 0.5, 10%

E2 From North Ayre, Eday
Unfired Brown 3B, Fired Yellow/Brown 4B (Brown)
Good firing
1, sandstone, siltstone, large quartz, 0.4, 5%

E3 From Bay of Carrick, Eday
Unfired Yellow/Brown 3A (Brown), fired Yellow/Brown 4B (Brown)
Cracked on firing (mudlike)
1, sandstone, mudstone, large quartz, 0.4, <5%

E4 From Bay of Carrick, Eday
Unfired Yellow/Brown 3A (Red), fired Yellow/Brown 4B (Red)
Good firing
1, sandstone, large quartz, 0.3, <5%

O518 PL84
Unfired clay from site at Pool
Unfired - brown

O526 PL84
Unfired clay from site at Pool
Unfired - green

O563 PL84
Unfired clay from site at Pool
Unfired - red

O578 PL84
Unfired clay from site at Pool
Unfired - buff

O586 PL84
Unfired clay from site at Pool
Unfired - grey

APPENDIX 4: SAMPLE CROSS-REFERENCE LIST

CATALOGUE	XRF	ICPS	SECTION
G1	XR1		
H1	XR2	IC153	
H2	XR3	IC154	
H3	XR4	IC155	
H4	XR5	IC156	
H5	XR6	IC157	
H6	XR7	IC158	
H7	XR8	IC159	
H8	XR9	IC160	
H9	XR10	IC161	
H10	XR11	IC162	
H11	XR12	IC163	
H12	XR13	IC164	
H13	XR14	IC165	
H14	XR15	IC166	
H15	XR16	IC167	
H16	XR17	IC168	
H17	XR18	IC169	
H18	XR19	IC170	
H19	XR20	IC171	
H20	XR21	IC172	
H21	XR22	IC173	
H22	XR23	IC174	
H23	XR24	IC175	
H24	XR25	IC176	
H25	XR26	IC177	
H26	XR27	IC178	
H27	XR28	IC179	
H28	XR29	IC180	
H29	XR30	IC181	
H30	XR31	IC182	
K1	XR32		
K2	XR33		
J1	XR34		
J2	XR35		
J3	XR36		
J4	XR37		
J5	XR38		
L1	XR39	IC140	
L2	XR40	IC141	
L3	XR41	IC142	
L4	XR42	IC143	
L5	XR43	IC144	
L6	XR44	IC145	
L7	XR45	IC146	
L8	XR46	IC147	
L9	XR47	IC148	

L10
L11
L12
L13
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BB1
CC1
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IC149
IC150
IC151
IC152

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TH18
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P45	XR103	IC41	
P46	XR104	IC42	
P47	XR105	IC43	
P48	XR106	IC44	
P49	XR107	IC45	
P50	XR108	IC46	
P51	XR109	IC47	
P52	XR110	IC48	
P53	XR111	IC49	
P54	XR112	IC50	TH20
P55	XR113	IC51	
P56	XR114		
P57	XR115		
P58	XR116		
P59	XR117	IC23	TH21
P60	XR118		TH22
P61	XR119		
P62	XR120		
P63	XR121	IC24	TH23
P64	XR122		
P65	XR123		
P66	XR124		
P67	XR125		
P68	XR126		
P69	XR127		
P70	XR128	IC25	TH24
P71	XR129		
P72	XR130	IC26	TH25
P73	XR131		
P74	XR132	IC68	TH26
P75	XR133		
P76	XR134		
P77	XR135		
P78	XR136		
P79	XR137		
P80	XR138		
P81	XR139		
P82	XR140		
P83	XR141		
P84	XR142		
P85	XR143		
P86	XR144		TH27
P87	XR145		
P88	XR146		
P89	XR147		
P90	XR148		
P91	XR149		
P92	XR150		
P93	XR151		
P94	XR152		
P95	XR153		
P96	XR154		
P97	XR155	IC27	TH28
P98	XR156	IC28	
P99	XR157		

P100	XR158	IC29	
P101	XR159		
P102	XR160		
P103	XR161		
P104	XR162		
P105	XR163	IC30	
P106	XR164	IC31	
P107	XR165		
P108	XR166		
P109	XR167		
P110	XR168		
P111	XR169	IC32	
P112	XR170		
P113	XR171		
P114	XR172	IC33	
P115	XR173		
P116	XR174		
P117	XR175	IC73	TH29
P118	XR176		
P119	XR177		
P120	XR178		
P121	XR179	IC34	
P122	XR180		
P123	XR181		
P124	XR182	IC69	TH30
P125	XR183		
P126	XR184		
P127	XR185		
P128	XR186		
P129	XR187		
P130	XR188	IC70	TH31
P131	XR189		
P132	XR190		
P133	XR191		
P134	XR192		
P135	XR193		
P136	XR194	IC71	TH32
P137	XR195		
P138	XR196	IC77	TH33
P139	XR197	IC78	TH34
P140	XR198	IC35	
P141	XR199		
P142	XR200		
P143	XR201		
P144	XR202	IC83	TH35
P145	XR203		
P146	XR204		
P147	XR205		
P148	XR206		
P149	XR207		
P150	XR208		
P151	XR209		
P152	XR210		
P153	XR211	IC36	
P154	XR212		

P155	XR213		
P156	XR214		
P157	XR215		
P158	XR216		
P159	XR217		
P160	XR218		TH36
P161	XR219		
P162	XR220		
P163	XR221		
P164	XR222		
P165	XR223		
P166	XR224		
P167	XR225		
P168	XR226		
P169	XR227		
P170	XR228		
P171	XR229	IC76	TH37
P172	XR230		
P173	XR231		
P174	XR232		
P175	XR233		
P176	XR234	IC37	
P177	XR235		
P178	XR236		
P179	XR237		
P180	XR238	IC38	
P181	XR239	IC39	
P182	XR240		
P183	XR241		
P184	XR242		
P185	XR243		
P186	XR244		
P187	XR245		
P188	XR246		
P189	XR247		
P190	XR248		
P191	XR249		
P192	XR250		
P193	XR251		
P194	XR252		
P195	XR253		
P196	XR254		
P197	XR255	IC84	TH38
P198	XR256		
P199	XR257	IC40	
P200	XR258		
P201	XR259		
P202	XR260		
P203	XR261		
P204	XR262		
P205	XR263		
P206	XR264		
P207	XR265		
P208	XR266		
P209	XR267		

P210	XR268		
P211	XR269		
P212	XR270	IC74	TH39
P213	XR271		
P214	XR272		
P215	XR273		
P216	XR274		
P217	XR275		
P218	XR276		
P219	XR277		
P220	XR278		
P221	XR279		
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P223	XR281		
P224	XR282		
P225	XR283		
P226	XR284		
P227	XR285		
P228	XR286		
P229	XR287		
P230	XR288		
P231	XR289		
P232	XR290		
P233	XR291		
P234	XR292		
P235	XR293	IC85	TH40
P236	XR294		
P237	XR295		
P238	XR296		
P239	XR297	IC86	TH41
P240	XR298	IC87	TH42
P241	XR299		
P242	XR300		
P243	XR301		
P244	XR302		
P245	XR303		
P246	XR304		
P247	XR305		
P248	XR306		
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P254	XR312		
P255	XR313		
P256	XR314		
P257	XR315		
P258	XR316		
P259	XR317	IC92	TH43
P260	XR318		TH44
P261	XR319		
P262	XR320		
P263	XR321	IC91	TH45
P264	XR322		TH46

P265	XR323		
P266	XR324		
P267	XR325		
P268	XR326		
P269	XR327		
P270	XR328		
P271	XR329		
P272	XR330		TH47
P273	XR331		
P274	XR332		
P275	XR333		
P276	XR334		
P277	XR335		TH48
P278	XR336		
P279	XR337		
P280	XR338		TH49
P281	XR339		
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P283	XR341		
P284	XR342		
P285	XR343		
P286	XR344	IC75	TH50
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P288	XR346		
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P292	XR350		
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P297	XR355		
P298	XR356	IC93	TH52
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P301	XR359		
P302	XR360	IC72	TH53
P303	XR361		
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P309	XR367		
P310	XR368	IC94	TH54
P311	XR369		
P312	XR370		
P313	XR371		
P314	XR372		
P315	XR373		
P316	XR374	IC79	TH55
P317	XR375		
P318	XR376		
P319	XR377		

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A9	XR411	
A10	XR412	
A11	XR413	
A12	XR414	
A13	XR415	
A14	XR416	
B1	XR417	
B2	XR418	
B3	XR419	TH89
B4	XR420	
B5	XR421	
B6	XR422	TH90
B7	XR423	
B8	XR424	
B9	XR425	
C1	XR426	TH91
C2	XR427	
C3	XR428	TH92
C4	XR429	TH93
C5	XR430	
C6	XR431	
C7	XR432	TH94
C8	XR433	
C9	XR434	
D	XR435	TH95
E1	XR436	
E2	XR437	
E3	XR438	
E4	XR439	
0518	XR440	TH96
0526	XR441	TH97
0563	XR442	TH98
0578	XR443	TH99
0586	XR444	TH100

APPENDIX 5: % OXIDE CONCENTRATIONS OF POTTERY SAMPLES DETECTED BY XRF ANALYSIS

Results are for unnormalised data.

See Appendix 4 for key to samples.

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR1	2.3	1.6	15.4	62.1	3.5	3.4	1.2	0.12	12.7
XR2	2.5	4.2	16.4	63.3	4.0	2.8	2.0	0.07	9.6
XR3	4.3	1.8	16.3	70.1	4.6	1.2	1.0	0.05	5.9
XR4	1.7	4.0	16.4	61.0	3.8	2.3	1.0	0.14	9.0
XR5	0.3	2.3	16.9	63.2	3.7	1.6	1.2	0.13	11.3
XR6	1.4	5.0	17.8	51.6	4.1	2.0	1.3	0.18	14.7
XR7	2.1	4.3	16.7	61.9	3.3	3.0	1.6	0.12	11.2
XR8	0.8	2.0	16.6	69.5	4.5	1.6	1.0	0.05	5.8
XR9	2.1	5.2	17.0	64.9	4.3	1.4	1.1	0.02	8.5
XR10	1.1	3.0	17.7	57.1	3.5	2.8	1.0	1.29	11.1
XR11	2.3	7.5	20.1	54.0	4.5	2.1	1.3	0.21	14.6
XR12	2.4	5.1	22.1	53.8	4.6	2.0	4.8	0.08	16.4
XR13	1.7	4.8	22.0	54.0	4.2	1.7	4.8	0.07	16.6
XR14	2.5	5.8	20.0	63.7	3.7	1.3	1.4	0.21	11.1
XR15	2.6	2.6	21.6	55.2	4.6	2.1	4.4	0.08	13.2
XR16	1.9	3.6	20.4	50.5	6.3	2.6	6.9	0.22	11.8
XR17	1.5	3.1	18.0	63.9	4.9	1.0	1.0	0.22	9.0
XR18	2.0	4.1	18.7	58.0	3.3	1.5	0.2	0.15	11.3
XR19	2.9	5.2	18.4	58.0	3.8	2.7	1.8	0.22	12.3
XR20	2.0	6.8	19.1	51.7	4.4	2.1	1.3	0.23	14.9
XR21	2.1	4.6	18.3	53.2	3.9	2.2	1.1	0.03	11.2
XR22	2.0	4.4	21.2	51.2	4.3	2.2	4.8	0.09	16.8
XR23	2.1	3.3	16.9	61.2	3.9	2.4	0.9	0.08	7.5
XR24	2.2	5.1	19.1	54.5	3.9	2.4	1.2	0.08	11.1
XR25	0.6	1.9	15.0	63.4	4.0	1.1	0.9	0.08	7.3
XR26	0.0	0.8	15.3	58.4	3.4	1.8	0.9	0.09	7.2
XR27	1.8	2.5	19.6	59.2	3.9	2.6	1.2	0.05	8.1
XR28	0.0	1.5	16.6	54.7	4.2	1.8	1.0	0.12	11.1
XR29	1.7	2.4	17.6	57.0	3.4	3.5	1.3	0.07	7.8
XR30	0.7	2.8	16.5	59.5	3.8	2.1	0.9	0.14	8.7
XR31	0.1	1.5	15.9	62.0	4.0	0.9	1.0	0.14	8.2
XR32	0.5	11.7	14.4	63.7	2.7	1.0	0.8	0.12	6.6
XR33	0.8	3.8	17.2	69.7	4.2	0.9	0.9	0.05	6.7
XR34	0.4	2.3	19.0	54.6	3.1	4.6	0.8	0.15	9.4
XR35	2.6	4.9	19.9	56.5	4.0	2.0	0.7	0.07	6.1
XR36	2.3	4.3	19.7	58.1	3.4	2.1	1.0	0.11	9.1
XR37	0.0	20.6	13.2	54.7	5.6	1.2	0.5	0.19	8.0
XR38	2.3	6.5	21.7	57.6	5.6	1.6	0.9	0.05	6.8
XR39	2.5	3.8	18.6	59.4	3.6	1.9	1.2	0.13	10.9
XR40	2.8	4.1	16.1	61.0	4.5	2.7	1.2	0.11	8.2
XR41	1.7	4.8	16.5	61.4	4.2	1.8	0.9	0.11	7.5
XR42	2.6	2.9	16.9	63.2	4.4	1.4	1.1	0.57	7.6
XR43	1.1	3.4	17.3	63.8	6.0	0.5	1.0	0.11	6.2
XR44	1.1	1.9	14.7	61.0	2.8	4.6	0.7	0.04	5.2
XR45	2.7	4.2	15.8	56.4	4.7	2.4	1.3	0.23	9.2

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR46	1.8	6.3	18.8	62.5	6.5	0.7	1.1	0.15	9.1
XR47	3.2	3.7	17.9	64.5	5.1	1.8	1.0	0.07	5.6
XR48	3.7	3.8	18.9	64.1	5.0	1.2	1.0	0.09	4.9
XR49	2.3	3.7	16.7	60.8	2.8	4.4	0.8	0.12	5.8
XR50	1.7	2.9	15.9	63.6	3.8	1.9	0.9	0.06	5.2
XR51	2.1	2.9	16.8	68.6	3.2	1.4	0.8	0.05	4.6
XR52	2.9	5.2	18.2	59.7	3.8	2.3	1.1	0.14	8.6
XR53	1.6	3.5	16.2	64.2	4.2	0.6	0.9	0.13	7.6
XR54	1.6	2.6	15.7	55.8	4.4	1.3	2.8	0.33	16.0
XR55	2.3	5.0	18.2	64.8	4.2	2.9	0.9	0.07	6.3
XR56	2.0	5.0	18.4	63.6	3.6	0.7	1.4	0.09	11.8
XR57	1.2	4.1	17.6	64.2	3.9	0.9	0.9	0.54	6.9
XR58	1.5	2.9	19.4	54.3	3.2	0.6	1.1	0.08	8.8
XR59	2.6	4.6	18.5	58.9	4.3	3.3	0.7	0.07	6.3
XR60	1.4	5.3	21.4	61.2	7.3	1.3	1.0	0.17	9.6
XR61	3.2	3.6	15.8	64.0	3.5	2.1	0.8	0.96	6.5
XR62	3.1	4.1	15.8	66.3	3.8	1.9	0.8	0.37	6.1
XR63	2.6	4.2	18.6	51.8	3.2	3.0	1.0	0.12	12.2
XR64	2.5	4.6	18.0	59.1	3.3	3.2	0.8	0.13	7.3
XR65	2.3	5.5	18.6	59.9	4.3	2.4	1.1	0.43	10.3
XR66	2.3	5.1	17.9	57.0	4.1	2.4	1.1	0.37	9.9
XR67	2.2	4.5	16.7	62.5	3.7	2.1	0.8	0.35	6.5
XR68	2.7	3.8	16.2	65.8	3.5	1.6	0.8	0.04	6.5
XR69	0.0	1.7	14.1	67.3	3.6	2.0	0.7	0.07	6.8
XR70	0.9	4.3	20.0	60.0	3.4	2.1	0.9	0.11	9.9
XR71	1.6	1.8	16.6	57.1	3.1	2.9	0.8	0.09	9.1
XR72	0.7	2.4	16.9	60.7	4.7	3.3	0.9	0.20	7.8
XR73	0.5	1.9	18.2	60.3	5.8	2.4	1.0	0.21	6.8
XR74	0.0	0.6	12.8	75.6	3.2	1.5	0.6	0.05	4.7
XR75	0.3	2.7	17.8	54.3	3.1	2.8	0.9	0.08	12.7
XR76	0.0	1.9	16.1	60.1	2.6	3.4	0.7	0.09	10.8
XR77	1.9	4.4	20.7	58.7	6.5	2.5	1.0	0.09	9.3
XR78	3.3	3.8	16.2	59.9	3.5	3.2	0.9	0.17	8.3
XR79	2.1	4.1	20.7	58.2	7.5	2.5	0.9	0.06	5.5
XR80	1.2	4.0	19.7	61.3	6.8	1.8	0.9	0.18	9.4
XR81	1.5	4.9	19.7	59.8	5.0	2.0	0.9	0.54	11.1
XR82	1.8	3.9	15.2	64.6	3.8	3.1	0.7	0.08	5.9
XR83	1.7	4.6	21.7	58.8	6.9	2.1	1.1	0.10	10.2
XR84	2.6	2.4	15.2	64.4	3.4	2.3	0.7	0.03	5.6
XR85	2.5	2.9	14.7	59.4	3.5	2.4	0.8	0.66	6.6
XR86	1.7	3.1	16.7	62.6	4.8	1.7	0.8	0.11	7.6
XR87	1.3	2.7	14.9	51.7	3.2	2.3	0.8	0.16	12.9
XR88	3.0	4.3	19.2	49.0	4.1	3.5	1.0	0.27	10.6
XR89	3.0	3.4	14.8	57.8	3.9	3.4	0.9	0.34	8.2
XR90	3.4	4.4	17.8	60.5	3.3	3.2	0.9	0.05	9.4
XR91	4.8	4.2	16.8	61.3	3.8	4.0	1.0	0.17	7.9
XR92	3.6	4.2	17.2	65.9	3.7	2.6	0.9	0.08	8.1
XR93	2.7	6.4	20.1	61.4	3.9	2.6	1.0	0.09	9.6
XR94	2.7	6.9	19.9	60.5	4.3	2.7	1.1	0.40	10.9
XR95	3.1	4.9	17.0	62.6	4.2	2.4	0.8	0.22	7.6
XR96	2.0	7.0	23.7	61.1	7.7	1.8	1.0	0.08	10.1
XR97	3.1	5.6	18.2	65.7	4.0	2.2	0.9	0.24	7.6
XR98	2.9	6.2	18.9	67.1	4.5	2.2	1.0	0.18	8.0

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR99	3.5	4.0	16.9	51.2	3.3	3.4	0.8	0.10	8.5
XR100	2.6	5.9	19.1	64.0	3.7	2.2	0.9	0.21	9.9
XR101	3.0	6.2	19.6	51.3	3.2	3.4	0.8	0.15	12.3
XR102	2.7	6.1	21.1	62.1	6.4	2.6	1.0	0.09	6.4
XR103	1.3	1.1	13.9	68.1	3.3	1.8	0.8	0.09	5.7
XR104	0.8	1.6	18.7	61.7	5.0	2.9	1.1	0.04	5.1
XR105	0.0	2.8	21.1	59.4	7.2	1.6	1.0	0.22	10.0
XR106	1.0	2.0	15.8	53.4	2.8	3.4	0.9	0.23	8.3
XR107	0.2	2.1	17.4	58.5	3.4	2.5	0.9	0.09	7.8
XR108	0.9	2.3	16.5	66.2	4.7	2.1	0.8	0.10	5.5
XR109	0.4	1.3	14.3	67.0	3.3	1.8	0.9	0.05	6.6
XR110	3.1	2.6	16.6	54.1	4.0	3.2	1.2	0.18	9.0
XR111	1.3	1.9	13.0	58.9	3.3	2.3	0.8	0.21	6.8
XR112	1.9	3.0	14.2	68.2	3.6	1.8	0.7	0.43	6.0
XR113	1.2	4.2	20.3	60.8	6.1	1.8	0.9	0.15	8.7
XR114	2.4	4.3	16.7	56.6	4.4	2.7	0.9	0.12	7.4
XR115	0.5	3.5	19.2	57.6	5.9	1.6	0.9	0.22	8.9
XR116	1.6	3.6	18.3	63.4	6.4	1.7	0.8	0.23	7.5
XR117	2.5	5.0	18.9	58.8	3.7	2.6	1.2	0.14	9.2
XR118	3.1	3.8	17.3	57.0	3.4	3.4	1.1	0.16	9.0
XR119	2.8	4.2	19.3	65.1	5.1	2.3	1.1	0.04	4.4
XR120	2.7	3.9	13.3	59.5	3.3	6.3	0.6	0.12	5.2
XR121	2.2	3.6	19.5	64.4	5.2	2.0	1.1	0.03	4.0
XR122	2.9	3.2	16.3	55.1	3.2	2.8	1.1	0.08	7.6
XR123	2.4	2.2	14.6	63.5	3.3	2.4	0.7	0.04	5.5
XR124	2.5	2.0	13.1	66.7	3.2	2.4	0.7	0.07	5.1
XR125	1.9	3.3	16.6	60.0	4.2	2.5	0.8	0.07	6.4
XR126	1.0	3.3	18.6	65.2	5.3	1.5	0.9	0.07	9.5
XR127	2.3	3.1	16.0	55.4	4.3	2.3	1.1	0.12	10.5
XR128	3.4	4.0	17.0	55.0	3.5	3.4	0.9	0.09	7.8
XR129	2.4	5.0	17.2	54.6	3.9	2.6	1.1	0.18	10.0
XR130	2.4	3.4	17.0	54.1	3.9	3.0	0.8	0.06	8.5
XR131	2.5	1.9	13.5	57.5	3.2	2.6	0.8	0.04	5.5
XR132	2.6	2.8	14.3	62.7	3.4	2.1	0.8	0.08	5.5
XR133	2.2	3.4	15.0	47.5	3.4	3.5	0.8	0.61	10.7
XR134	2.5	2.1	14.2	57.8	3.5	2.6	0.8	0.03	6.2
XR135	2.1	2.9	14.8	62.4	3.4	3.0	0.7	0.06	5.5
XR136	1.6	2.5	15.5	51.3	4.2	2.9	0.7	0.05	6.4
XR137	2.2	5.9	19.6	53.9	3.7	2.6	0.9	0.08	11.2
XR138	2.6	5.4	19.0	51.2	3.3	3.1	0.9	0.34	9.7
XR139	1.9	3.7	18.4	59.3	6.2	1.9	0.9	0.07	7.0
XR140	1.7	3.2	16.7	55.9	4.3	2.7	0.7	0.05	6.4
XR141	2.6	4.3	16.5	61.7	3.7	2.6	0.9	0.29	7.5
XR142	2.2	3.4	15.1	57.0	4.1	2.5	0.8	0.16	7.1
XR143	2.2	3.9	16.3	52.3	3.6	2.9	0.8	0.28	10.9
XR144	1.0	2.8	17.0	56.6	6.2	1.7	0.9	0.07	11.8
XR145	2.3	5.0	17.9	58.3	4.4	2.7	1.1	0.38	10.5
XR146	3.2	3.3	15.8	52.2	3.7	3.4	0.8	0.28	7.3
XR147	2.7	3.7	15.8	54.8	3.2	3.3	1.1	0.10	11.9
XR148	1.8	2.9	15.8	58.8	3.6	2.4	0.8	0.08	7.5
XR149	1.1	2.3	15.2	50.8	3.9	2.9	0.8	0.05	6.2
XR150	1.9	3.6	16.0	60.0	3.6	1.7	0.9	0.22	9.3
XR151	1.2	2.8	17.3	61.2	4.6	2.1	1.0	0.05	5.4

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR152	2.6	3.6	14.9	58.4	4.0	3.3	0.8	0.16	6.8
XR153	2.1	3.7	19.2	64.7	5.3	1.8	1.1	0.13	5.6
XR154	1.6	2.3	13.9	55.9	3.4	3.0	0.8	0.10	6.2
XR155	2.9	2.9	15.7	53.3	4.2	2.7	1.1	0.12	11.4
XR156	1.7	3.0	17.8	62.9	6.2	1.5	1.0	0.08	5.7
XR157	1.8	2.7	14.8	50.8	3.0	3.6	0.8	0.08	8.4
XR158	1.7	3.2	16.1	58.5	3.6	2.4	0.9	0.09	7.6
XR159	2.0	3.3	15.3	57.7	3.4	2.5	0.9	0.14	7.0
XR160	2.2	4.2	17.4	57.7	3.5	2.3	1.2	0.06	8.9
XR161	2.4	4.2	18.0	58.0	3.6	2.5	1.2	0.06	9.0
XR162	0.8	2.5	15.1	58.2	4.3	2.2	0.8	0.10	7.0
XR163	1.6	4.0	16.1	50.3	3.4	2.6	0.9	0.10	9.7
XR164	0.8	4.1	19.8	56.5	6.6	1.7	1.1	0.16	8.8
XR165	1.2	4.7	18.0	58.7	6.0	1.8	0.9	0.12	10.6
XR166	1.6	3.5	16.5	55.9	3.4	2.6	1.2	0.12	11.6
XR167	1.1	4.0	17.7	52.2	3.4	1.7	0.9	0.09	9.9
XR168	2.1	4.0	16.0	48.2	3.6	3.4	0.9	0.08	11.4
XR169	1.6	4.0	19.2	60.7	5.2	1.6	1.1	0.08	5.6
XR170	2.0	2.7	15.5	60.0	3.4	2.5	0.8	0.07	6.6
XR171	1.1	3.7	18.0	59.2	5.0	1.7	0.9	0.07	7.4
XR172	1.2	2.8	15.1	59.6	4.8	1.8	0.8	0.20	7.4
XR173	1.4	3.6	17.7	61.0	4.8	1.7	0.8	0.06	7.0
XR174	2.1	4.1	18.0	56.0	3.7	2.4	1.0	0.09	8.1
XR175	1.4	2.3	15.1	51.5	3.5	2.7	0.7	0.07	6.2
XR176	1.9	5.2	18.5	51.2	3.5	2.8	0.9	0.10	11.4
XR177	2.1	5.1	18.1	58.2	4.2	2.5	1.0	0.41	10.1
XR178	2.0	3.6	15.5	52.1	3.7	2.7	0.9	0.40	9.5
XR179	1.8	2.9	15.5	54.1	3.4	2.6	0.8	0.08	7.2
XR180	2.3	5.2	17.7	55.2	3.9	2.2	1.1	0.15	10.1
XR181	2.2	4.1	16.4	54.2	3.9	2.7	0.8	0.27	8.5
XR182	1.3	3.2	16.9	52.5	3.5	2.2	0.9	0.18	9.3
XR183	1.8	4.2	16.4	58.8	4.0	2.4	0.9	0.12	6.2
XR184	1.7	3.2	16.2	52.5	3.4	2.2	0.9	0.08	8.2
XR185	3.4	2.9	16.1	53.7	3.5	3.8	1.1	0.05	8.7
XR186	1.4	3.1	15.3	52.2	3.7	2.8	1.0	0.50	9.9
XR187	1.0	2.0	14.1	56.5	4.0	2.2	0.8	0.07	6.0
XR188	2.3	2.6	16.2	60.2	5.2	2.1	0.8	0.07	7.7
XR189	1.1	3.0	14.2	62.9	4.1	1.7	0.8	0.09	8.3
XR190	0.8	2.8	17.1	55.2	5.2	2.2	0.9	0.10	8.6
XR191	2.0	3.0	15.5	47.7	3.1	3.6	0.8	0.46	13.3
XR192	2.8	2.2	14.2	51.0	3.7	4.0	0.9	0.37	8.5
XR193	2.4	2.6	15.5	53.9	3.5	3.1	1.0	0.05	8.1
XR194	2.2	2.5	14.9	62.9	3.5	1.9	0.9	0.07	6.6
XR195	1.5	2.5	13.9	62.8	3.6	1.9	0.7	0.35	6.0
XR196	1.9	3.5	14.5	61.5	3.7	1.6	0.8	0.14	7.6
XR197	3.1	4.1	15.7	60.5	3.8	2.4	0.8	0.20	6.6
XR198	2.2	4.5	16.1	62.7	3.7	1.8	0.8	0.08	7.8
XR199	2.2	2.9	14.0	63.1	3.9	1.8	0.7	0.14	6.0
XR200	1.3	4.0	18.7	55.4	5.9	1.9	1.0	0.26	9.2
XR201	1.7	2.7	12.7	60.3	3.3	2.4	0.7	0.10	5.2
XR202	1.7	2.1	12.3	56.0	3.2	5.2	0.6	0.10	5.1
XR203	1.6	2.2	12.7	54.0	3.5	3.1	0.7	0.24	6.2
XR204	1.3	1.9	12.7	57.0	3.1	1.8	0.7	0.16	6.0

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR205	2.1	3.1	14.5	56.6	3.2	2.4	0.7	0.09	6.6
XR206	1.2	2.5	14.1	60.2	3.5	1.7	0.7	0.09	5.4
XR207	2.4	3.2	13.4	56.3	3.3	5.1	0.7	0.09	5.6
XR208	2.5	2.9	12.7	56.4	3.2	6.0	0.6	0.10	4.9
XR209	2.1	3.2	14.4	62.5	3.4	2.2	0.8	0.10	5.3
XR210	1.2	2.2	13.3	56.6	3.3	1.9	0.7	0.10	5.6
XR211	1.0	3.4	18.0	55.4	6.0	2.7	0.9	0.18	8.0
XR212	2.2	3.2	12.8	58.5	3.3	4.1	0.7	0.37	4.6
XR213	3.2	3.8	15.3	56.3	3.7	2.9	0.8	0.21	7.0
XR214	1.0	2.2	12.7	57.0	3.4	2.4	0.8	0.11	5.3
XR215	2.9	4.7	17.7	56.3	4.4	2.5	1.0	0.10	7.7
XR216	1.5	2.3	13.5	56.9	3.8	2.1	0.8	0.37	6.5
XR217	3.0	4.2	14.8	58.1	3.6	4.3	0.8	0.13	6.2
XR218	2.2	3.1	14.9	57.9	3.1	2.7	0.9	0.12	5.7
XR219	2.4	4.2	15.3	57.9	4.4	1.9	0.9	0.25	8.2
XR220	2.4	3.9	19.5	64.2	5.2	1.9	1.2	0.04	4.8
XR221	1.5	3.4	16.9	58.9	4.5	2.1	0.9	0.04	5.9
XR222	2.2	2.8	13.1	53.8	3.0	4.4	0.7	0.20	5.3
XR223	2.5	4.6	17.6	54.9	4.3	2.3	1.0	0.08	7.5
XR224	2.3	3.0	14.5	55.1	3.3	2.3	0.8	0.22	6.7
XR225	1.4	2.7	13.7	58.4	3.3	2.0	0.7	0.11	5.7
XR226	1.9	4.1	17.9	58.2	5.0	1.9	0.8	0.14	6.6
XR227	1.9	4.4	15.5	60.1	3.5	1.6	0.9	0.10	6.3
XR228	1.0	4.0	19.4	56.2	8.2	1.8	1.0	0.16	5.9
XR229	0.5	1.8	12.2	56.3	3.1	1.9	0.7	0.07	5.4
XR230	2.1	3.7	15.0	58.8	3.3	2.1	0.8	0.13	6.8
XR231	3.3	3.3	15.9	51.8	4.4	3.0	1.0	0.06	7.6
XR232	1.6	4.6	17.4	61.2	4.5	1.8	0.9	0.14	7.4
XR233	2.3	4.1	15.5	58.9	4.0	1.8	0.8	0.15	7.2
XR234	1.6	3.0	13.5	58.5	2.9	2.5	0.7	0.15	5.3
XR235	1.4	2.9	16.7	60.9	4.4	2.0	0.8	0.03	6.6
XR236	1.9	3.7	16.9	53.9	3.4	2.5	0.9	0.09	7.4
XR237	2.3	4.3	18.9	51.5	4.8	2.8	1.2	0.07	10.4
XR238	2.7	4.3	17.7	55.3	3.5	2.9	1.2	0.27	8.7
XR239	1.7	2.4	13.3	63.3	3.1	2.1	0.8	0.14	5.2
XR240	3.1	2.9	15.8	55.8	4.3	3.3	1.0	0.26	5.5
XR241	2.3	3.0	14.4	60.0	3.4	1.9	0.8	0.08	6.5
XR242	1.9	4.3	19.0	60.4	5.0	1.7	1.1	0.04	5.3
XR243	1.1	1.8	14.0	57.3	3.9	2.4	0.7	0.08	4.9
XR244	1.8	3.2	15.1	49.5	3.2	2.4	0.9	0.09	8.5
XR245	2.2	2.5	13.6	55.1	3.1	2.5	0.8	0.24	6.1
XR246	2.0	3.3	12.8	50.9	3.3	5.0	0.7	0.12	4.5
XR247	1.2	2.3	15.2	60.1	4.2	2.0	0.7	0.07	5.1
XR248	2.2	3.0	14.1	54.4	3.4	2.4	0.8	0.26	6.5
XR249	1.4	2.9	15.4	58.6	3.7	1.7	1.0	0.08	8.0
XR250	2.3	2.1	13.7	46.8	3.9	3.4	1.0	0.26	9.5
XR251	0.4	1.1	12.0	57.0	3.1	1.7	0.8	0.05	6.3
XR252	2.7	3.7	16.2	54.0	3.4	3.6	1.0	0.16	8.7
XR253	1.5	3.1	14.0	57.4	3.6	1.6	0.8	0.15	7.6
XR254	2.0	3.6	16.8	51.2	4.2	2.9	0.8	0.21	9.4
XR255	1.3	2.0	13.5	60.5	4.2	1.7	0.7	0.09	4.9
XR256	1.8	2.3	13.6	55.8	3.2	2.6	0.7	0.20	6.3
XR257	0.5	2.4	17.3	60.7	5.1	1.9	1.0	0.04	5.0

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR258	2.6	2.0	13.6	54.6	3.4	2.8	0.8	0.04	6.1
XR259	1.8	1.9	13.4	54.2	3.4	2.2	0.8	0.08	7.2
XR260	1.5	2.3	13.1	57.0	3.2	1.9	0.7	0.09	5.8
XR261	1.2	2.6	14.1	62.0	3.3	1.7	0.7	0.10	5.3
XR262	2.5	4.7	17.4	53.5	3.7	3.0	1.1	0.31	9.7
XR263	1.8	1.7	12.8	53.6	3.2	2.6	0.8	0.04	5.8
XR264	1.7	3.0	14.8	58.9	4.1	1.9	0.8	0.10	5.9
XR265	3.2	3.0	14.8	50.2	3.8	3.7	0.8	0.23	7.0
XR266	2.7	4.8	16.9	53.7	3.9	2.6	1.0	0.15	9.4
XR267	1.8	2.4	14.2	57.6	3.4	2.0	0.8	0.12	6.6
XR268	1.8	3.9	19.4	51.4	5.4	2.7	1.0	0.14	10.2
XR269	2.1	3.4	17.1	61.9	4.2	2.0	0.9	0.05	2.6
XR270	3.7	2.5	15.1	57.2	3.3	2.3	0.9	0.04	5.8
XR271	1.6	1.9	12.8	56.4	3.1	2.1	0.7	0.15	5.3
XR272	3.0	3.7	16.5	52.9	3.3	2.9	1.1	0.22	9.1
XR273	0.8	1.9	12.9	58.0	3.1	1.8	0.8	0.23	6.4
XR274	3.9	3.8	12.5	52.0	2.9	5.5	0.8	0.24	6.2
XR275	1.7	3.8	15.2	58.3	3.6	1.4	0.8	0.14	6.9
XR276	1.7	3.4	14.4	55.8	3.6	2.7	0.7	0.11	5.9
XR277	2.1	4.4	16.6	56.7	3.7	2.3	1.0	0.17	8.4
XR278	1.9	3.1	14.8	44.7	3.0	3.1	0.9	0.10	13.0
XR279	2.7	6.2	17.4	52.5	4.0	3.5	1.0	0.27	10.6
XR280	1.7	4.3	15.7	60.5	4.1	2.0	0.8	0.10	6.0
XR281	2.2	3.4	16.1	51.5	4.0	3.5	0.7	0.10	5.9
XR282	1.3	2.9	13.9	57.5	3.1	2.0	0.7	0.17	4.8
XR283	2.3	3.3	15.8	61.1	3.1	2.3	0.7	0.40	5.9
XR284	1.9	4.4	18.1	53.0	3.7	2.9	0.9	0.10	8.2
XR285	2.0	2.3	16.8	66.0	3.5	2.1	0.9	0.04	4.1
XR286	3.6	3.9	19.3	55.2	4.4	3.0	1.0	0.05	7.7
XR287	3.4	4.1	19.1	53.8	3.3	3.4	1.6	0.05	9.3
XR288	2.5	3.8	17.2	61.2	3.2	2.7	0.8	0.06	6.7
XR289	2.2	4.0	17.5	63.5	3.8	3.1	0.7	0.08	5.7
XR290	1.6	4.4	22.3	61.4	7.0	1.9	1.0	0.18	3.8
XR291	2.2	4.6	19.5	53.4	3.8	2.8	0.9	0.11	10.4
XR292	1.5	4.1	16.5	55.9	4.1	2.5	0.8	0.18	7.4
XR293	1.7	1.4	14.8	59.4	2.8	2.0	0.7	0.05	5.4
XR294	2.1	4.4	21.6	63.5	5.0	1.8	1.1	0.08	5.4
XR295	1.7	2.5	16.8	64.6	3.7	1.4	0.9	0.06	7.0
XR296	3.3	4.9	17.3	53.9	3.2	3.0	1.1	0.89	7.7
XR297	3.1	4.4	17.3	59.4	4.0	2.2	0.8	0.08	6.8
XR298	1.9	7.2	21.1	54.8	6.1	1.7	1.0	0.19	11.7
XR299	2.5	5.6	20.1	60.1	5.0	2.0	1.1	0.08	4.6
XR300	3.3	5.5	17.8	52.1	3.5	3.6	1.1	0.07	8.7
XR301	2.5	4.6	16.6	50.0	3.6	2.4	0.8	0.37	8.0
XR302	2.3	4.2	16.5	59.4	3.5	1.4	0.8	0.08	6.2
XR303	2.9	5.4	17.3	57.3	3.5	2.3	0.9	1.00	6.5
XR304	3.4	5.3	18.0	51.2	3.5	2.9	1.1	0.23	11.9
XR305	2.7	6.3	17.8	53.9	3.8	2.1	0.9	0.35	11.0
XR306	2.4	7.2	20.9	54.9	6.5	2.9	0.9	0.53	6.7
XR307	1.7	8.0	23.6	54.4	7.5	1.7	1.0	0.21	8.8
XR308	2.7	5.5	17.5	49.9	4.2	2.7	1.0	0.14	8.8
XR309	1.7	7.5	22.5	55.3	7.4	1.6	1.0	0.16	9.5
XR310	1.9	4.0	16.1	55.6	3.8	1.3	0.8	0.08	6.2

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR311	2.7	4.8	17.1	50.7	3.4	2.4	0.9	0.21	8.1
XR312	2.7	4.9	17.0	53.4	3.7	2.3	0.9	0.23	7.6
XR313	2.0	4.5	16.6	51.3	3.4	1.6	0.9	0.26	8.7
XR314	3.7	5.1	17.7	48.7	4.2	3.3	1.0	0.05	7.4
XR315	2.7	5.4	17.1	51.8	3.6	2.4	1.0	0.32	9.1
XR316	1.6	6.0	20.1	54.2	6.2	2.1	1.0	0.07	11.0
XR317	1.8	3.1	15.4	59.7	3.4	2.0	0.8	0.04	6.3
XR318	1.0	4.8	19.0	57.1	6.5	1.8	0.9	0.12	9.4
XR319	1.9	4.7	17.8	54.5	4.9	2.3	1.0	0.06	8.5
XR320	1.6	5.4	17.0	44.8	3.1	3.0	0.8	1.09	14.4
XR321	1.2	5.0	19.0	59.6	6.2	1.5	0.8	0.09	8.5
XR322	2.3	4.1	16.6	57.9	3.5	2.1	0.8	0.07	6.8
XR323	3.4	3.1	15.5	59.7	3.4	2.0	0.7	0.05	5.5
XR324	2.8	5.2	19.5	58.4	6.2	2.0	0.8	0.06	7.1
XR325	3.5	5.3	18.3	47.9	3.9	3.5	0.9	0.08	9.6
XR326	3.1	5.7	18.5	50.4	3.9	3.1	0.9	0.22	10.0
XR327	2.5	4.5	16.4	57.2	3.1	2.1	0.8	0.06	6.5
XR328	2.4	4.3	16.3	50.1	2.9	2.5	0.9	0.08	10.4
XR329	1.9	7.0	22.6	56.0	6.6	1.8	1.0	0.11	8.9
XR330	2.5	7.0	20.9	44.2	3.8	3.1	1.2	0.10	11.8
XR331	2.3	5.9	18.5	48.1	3.1	2.8	0.9	0.13	12.9
XR332	2.4	4.2	16.0	59.2	3.1	2.1	0.7	0.13	5.2
XR333	2.0	4.4	17.1	51.5	3.2	2.1	1.0	0.19	9.9
XR334	2.8	7.3	19.3	53.2	3.8	2.8	1.0	0.15	9.8
XR335	3.7	4.8	17.0	51.0	4.1	3.3	0.9	0.08	7.5
XR336	3.3	2.7	13.4	52.1	2.7	3.5	0.7	0.05	4.4
XR337	2.3	3.4	14.8	55.4	3.1	2.1	0.7	0.10	5.1
XR338	1.8	6.8	21.9	57.1	6.5	2.0	1.0	0.11	8.6
XR339	3.5	3.4	15.0	52.4	3.4	3.0	0.8	0.05	6.0
XR340	2.7	5.4	16.8	58.1	3.7	2.2	0.8	0.18	6.5
XR341	3.0	5.0	17.5	49.1	4.3	2.9	0.9	0.09	9.8
XR342	2.2	5.0	17.6	50.3	3.3	2.2	0.9	0.16	8.3
XR343	2.2	7.3	20.4	53.8	6.0	3.6	0.9	0.15	9.3
XR344	3.5	4.6	15.3	54.5	3.4	5.4	0.7	0.10	5.6
XR345	3.5	3.5	15.2	53.2	3.1	2.8	0.8	0.03	5.3
XR346	2.5	6.5	21.8	59.6	5.1	2.2	1.1	0.04	4.7
XR347	2.6	5.7	20.7	60.0	5.2	2.0	1.1	0.05	4.4
XR348	2.5	5.0	18.5	48.2	5.1	3.0	1.1	0.09	9.4
XR349	2.5	5.9	21.0	60.5	5.1	2.0	1.1	0.07	6.3
XR350	3.6	4.3	16.4	49.0	2.8	3.5	0.8	0.07	6.9
XR351	2.4	5.3	18.1	54.4	3.3	2.3	0.8	0.06	4.9
XR352	3.3	5.1	17.6	54.8	4.1	2.8	1.0	0.08	8.6
XR353	3.4	3.7	15.7	47.6	4.0	3.0	0.9	0.05	7.3
XR354	2.3	6.6	21.3	52.5	6.1	2.6	1.0	0.21	9.3
XR355	2.3	6.3	20.5	56.5	6.4	1.7	0.9	0.13	12.0
XR356	3.2	6.2	17.6	52.0	3.6	2.7	0.9	0.34	6.8
XR357	2.5	6.4	20.7	57.7	6.1	2.0	0.9	0.15	9.3
XR358	1.9	4.1	16.4	56.7	3.3	1.8	0.7	0.06	5.2
XR359	2.5	4.1	15.1	50.4	3.7	2.8	0.8	0.18	6.6
XR360	1.8	4.7	18.7	56.7	5.0	1.8	0.7	0.18	7.2
XR361	2.7	5.5	18.1	53.2	3.4	2.2	1.1	0.33	12.7
XR362	2.4	4.6	18.5	55.8	4.9	2.3	1.0	0.62	8.7
XR363	3.4	3.9	17.9	44.9	4.0	3.9	1.0	0.40	10.2

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
XR364	1.3	3.6	18.4	63.7	4.0	1.7	0.8	0.11	5.2
XR365	1.6	3.9	17.4	61.1	3.6	1.7	0.8	0.20	7.5
XR366	2.3	4.7	19.8	56.8	3.7	2.6	1.2	0.10	8.3
XR367	2.4	3.2	15.7	56.5	3.7	3.7	0.7	0.19	5.8
XR368	2.0	3.5	16.3	57.2	3.7	1.7	0.8	0.16	8.0
XR369	0.8	1.8	14.3	43.4	2.8	3.1	0.8	0.16	13.1
XR370	1.5	1.9	16.9	58.4	5.4	1.6	0.6	0.24	7.0
XR371	1.4	5.4	21.1	59.6	5.3	1.6	0.9	0.10	7.0
XR372	2.2	5.9	19.2	61.0	4.8	2.1	0.8	0.07	6.9
XR373	3.5	4.0	16.3	51.1	3.2	2.7	0.8	0.08	7.2
XR374	2.1	4.6	17.2	56.5	5.0	1.5	1.2	0.20	8.6
XR375	2.5	5.1	20.0	60.5	5.0	2.1	1.1	0.10	5.4
XR376	2.0	6.0	21.4	56.7	6.2	1.9	1.1	0.13	9.7
XR377	2.4	6.0	20.7	50.8	5.7	2.7	1.0	0.11	9.2
XR378	2.3	3.5	15.3	52.5	3.9	1.9	0.9	0.19	7.3
XR379	3.8	3.9	16.2	51.3	3.5	2.9	0.8	0.07	6.7
XR380	2.4	6.4	18.7	60.8	3.7	1.5	0.8	0.13	7.1
XR381	2.8	3.7	16.9	61.6	4.1	1.7	0.8	0.06	7.0
XR382	2.4	5.9	20.5	56.1	5.3	2.0	0.9	0.07	7.6
XR383	3.0	6.4	19.5	42.1	3.8	3.5	1.0	0.46	10.0
XR384	3.3	4.1	16.2	57.3	3.8	2.3	0.9	0.07	7.9
XR385	1.8	5.7	20.0	56.3	5.9	1.9	0.9	0.26	8.8
XR386	2.8	6.2	20.0	53.4	5.6	2.7	1.0	0.14	9.3
XR387	2.1	3.8	15.2	57.1	3.3	1.6	0.8	0.13	6.4
XR388	2.9	4.5	16.2	56.7	2.9	2.1	0.8	0.08	6.2
XR389	2.3	6.3	19.7	59.5	5.5	1.8	0.9	0.15	6.0
XR390	2.3	5.6	19.0	61.1	5.7	1.5	0.8	0.12	8.2
XR391	2.5	6.4	18.6	51.9	3.5	2.7	0.9	0.10	10.1
XR392	2.6	4.6	17.2	57.2	5.1	2.1	0.8	0.14	8.2
XR393	3.1	6.0	17.7	49.8	4.0	3.5	1.1	0.17	9.6
XR394	2.7	6.1	19.4	53.0	5.4	2.8	1.0	0.12	9.4
XR395	2.7	5.8	18.3	54.3	3.6	3.6	0.9	0.07	7.7
XR396	2.0	4.9	18.5	66.0	5.6	1.8	0.7	0.04	5.7
XR397	3.8	3.6	15.9	54.1	3.3	2.6	0.9	0.05	6.5
XR398	2.6	6.3	20.8	56.0	5.3	2.1	1.0	0.09	7.8
XR399	3.0	4.8	16.9	51.1	4.9	2.5	0.9	0.82	9.2
XR400	2.1	5.0	17.0	58.1	3.5	1.8	0.8	0.07	4.6
XR401	2.2	5.7	19.6	56.8	6.3	1.9	1.1	0.20	5.2
XR402	2.5	5.6	17.9	51.9	3.4	2.1	1.1	0.33	15.5

APPENDIX 6: ELEMENTAL CONCENTRATIONS OF POTTERY SAMPLES, DETECTED BY XRF ANALYSIS

Results are for unnormalised data.

See Appendix 4 for key to samples.

	Cr	Rb	Sr	Zr
XR1	0.021	0.002	0.207	0.008
XR2	0.030	0.053	0.056	0.032
XR3	0.038	0.011	0.041	0.032
XR4	0.025	0.006	0.074	0.028
XR5	0.018	0.004	0.042	0.026
XR6	0.031	0.000	0.071	0.023
XR7	0.028	0.003	0.073	0.026
XR8	0.014	0.011	0.048	0.031
XR9	0.023	0.006	0.032	0.027
XR10	0.075	0.004	0.075	0.027
XR11	0.050	0.000	0.063	0.022
XR12	0.103	0.000	0.037	0.032
XR13	0.100	0.000	0.015	0.031
XR14	0.035	0.004	0.049	0.028
XR15	0.103	0.001	0.070	0.034
XR16	0.123	0.003	0.075	0.026
XR17	0.027	0.007	0.042	0.029
XR18	0.031	0.003	0.064	0.027
XR19	0.029	0.002	0.081	0.024
XR20	0.038	0.000	0.048	0.019
XR21	0.030	0.004	0.084	0.027
XR22	0.091	0.000	0.043	0.031
XR23	0.023	0.010	0.043	0.031
XR24	0.030	0.004	0.099	0.025
XR25	0.017	0.008	0.030	0.034
XR26	0.019	0.010	0.053	0.032
XR27	0.015	0.007	0.104	0.020
XR28	0.018	0.004	0.053	0.030
XR29	0.020	0.007	0.095	0.022
XR30	0.018	0.007	0.065	0.028
XR31	0.015	0.008	0.036	0.030
XR32	0.157	0.011	0.042	0.031
XR33	0.017	0.014	0.032	0.036
XR34	0.012	0.004	0.089	0.023
XR35	0.024	0.014	0.051	0.031
XR36	0.024	0.006	0.064	0.028
XR37	0.059	0.019	0.033	0.023
XR38	0.021	0.014	0.056	0.031
XR39	0.027	0.004	0.099	0.024
XR40	0.023	0.008	0.111	0.019
XR41	0.016	0.008	0.028	0.027
XR42	0.024	0.009	0.047	0.029

	Cr	Rb	Sr	Zr
XR43	0.015	0.041	0.024	0.031
XR44	0.010	0.009	0.044	0.032
XR45	0.024	0.007	0.083	0.025
XR46	0.023	0.007	0.020	0.024
XR47	0.017	0.014	0.066	0.025
XR48	0.022	0.016	0.069	0.024
XR49	0.013	0.012	0.090	0.016
XR50	0.014	0.014	0.047	0.031
XR51	0.023	0.015	0.054	0.030
XR52	0.042	0.007	0.105	0.021
XR53	0.026	0.009	0.024	0.028
XR54	0.055	0.000	0.023	0.024
XR55	0.031	0.013	0.035	0.031
XR56	0.034	0.003	0.020	0.025
XR57	0.025	0.012	0.036	0.028
XR58	0.033	0.007	0.037	0.032
XR59	0.022	0.013	0.130	0.000
XR60	0.024	0.007	0.110	0.022
XR61	0.036	0.010	0.084	0.022
XR62	0.034	0.013	0.080	0.023
XR63	0.039	0.003	0.146	0.019
XR64	0.027	0.010	0.124	0.009
XR65	0.028	0.005	0.079	0.024
XR66	0.029	0.006	0.088	0.025
XR67	0.028	0.011	0.073	0.026
XR68	0.033	0.012	0.078	0.024
XR69	0.019	0.010	0.053	0.031
XR70	0.032	0.005	0.069	0.028
XR71	0.014	0.005	0.018	0.000
XR72	0.011	0.008	0.096	0.022
XR73	0.008	0.011	0.085	0.022
XR74	0.015	0.012	0.032	0.036
XR75	0.022	0.002	0.120	0.023
XR76	0.023	0.004	0.108	0.022
XR77	0.024	0.007	0.238	0.000
XR78	0.040	0.007	0.155	0.000
XR79	0.010	0.016	0.116	0.006
XR80	0.022	0.007	0.114	0.021
XR81	0.031	0.004	0.095	0.024
XR82	0.017	0.011	0.034	0.031
XR83	0.028	0.006	0.101	0.024
XR84	0.025	0.012	0.101	0.009
XR85	0.023	0.010	0.090	0.020
XR86	0.023	0.010	0.056	0.029
XR87	0.028	0.002	0.074	0.027
XR88	0.028	0.004	0.241	0.000
XR89	0.020	0.008	0.080	0.026
XR90	0.023	0.007	0.188	0.000
XR91	0.021	0.008	0.234	0.000
XR92	0.034	0.008	0.168	0.000
XR93	0.030	0.007	0.112	0.022
XR84	0.046	0.005	0.119	0.022
XR95	0.020	0.009	0.087	0.024

	Cr	Rb	Sr	Zr
XR96	0.020	0.007	0.064	0.029
XR97	0.023	0.009	0.090	0.023
XR98	0.022	0.009	0.064	0.030
XR99	0.016	0.008	0.172	0.000
XR100	0.032	0.006	0.096	0.025
XR101	0.025	0.003	0.255	0.000
XR102	0.014	0.014	0.098	0.016
XR103	0.015	0.011	0.058	0.031
XR104	0.012	0.016	0.114	0.000
XR105	0.016	0.006	0.070	0.027
XR106	0.017	0.007	0.203	0.000
XR107	0.026	0.008	0.116	0.016
XR108	0.017	0.012	0.060	0.027
XR109	0.021	0.009	0.076	0.025
XR110	0.028	0.008	0.169	0.000
XR111	0.019	0.010	0.082	0.023
XR112	0.026	0.012	0.055	0.030
XR113	0.022	0.009	0.036	0.031
XR114	0.019	0.010	0.105	0.018
XR115	0.018	0.008	0.033	0.027
XR116	0.020	0.011	0.047	0.029
XR117	0.027	0.006	0.091	0.024
XR118	0.030	0.007	0.190	0.000
XR119	0.026	0.021	0.072	0.020
XR120	0.017	0.011	0.049	0.028
XR121	0.017	0.021	0.071	0.018
XR122	0.020	0.009	0.177	0.000
XR123	0.025	0.013	0.115	0.000
XR124	0.022	0.013	0.091	0.010
XR125	0.021	0.012	0.097	0.016
XR126	0.034	0.007	0.070	0.026
XR127	0.023	0.005	0.105	0.024
XR128	0.029	0.009	0.178	0.000
XR129	0.023	0.006	0.123	0.020
XR130	0.021	0.009	0.192	0.000
XR131	0.017	0.012	0.120	0.000
XR132	0.034	0.013	0.070	0.026
XR133	0.029	0.005	0.154	0.013
XR134	0.018	0.012	0.121	0.000
XR135	0.021	0.012	0.066	0.023
XR136	0.014	0.012	0.068	0.029
XR137	0.033	0.004	0.110	0.025
XR138	0.040	0.006	0.179	0.000
XR139	0.018	0.013	0.051	0.032
XR140	0.018	0.012	0.048	0.034
XR141	0.027	0.009	0.092	0.023
XR142	0.014	0.009	0.048	0.031
XR143	0.038	0.004	0.096	0.027
XR144	0.019	0.003	0.037	0.020
XR145	0.026	0.005	0.104	0.023
XR146	0.020	0.009	0.142	0.002
XR147	0.026	0.003	0.187	0.010
XR148	0.026	0.009	0.093	0.022

	Cr	Rb	Sr	Zr
XR149	0.015	0.013	0.097	0.016
XR150	0.028	0.006	0.050	0.031
XR151	0.018	0.016	0.063	0.025
XR152	0.016	0.011	0.080	0.024
XR153	0.024	0.016	0.057	0.029
XR154	0.017	0.012	0.087	0.020
XR155	0.026	0.004	0.015	0.018
XR156	0.016	0.015	0.040	0.030
XR157	0.018	0.008	0.111	0.019
XR158	0.024	0.009	0.083	0.025
XR159	0.022	0.010	0.093	0.021
XR160	0.029	0.007	0.091	0.024
XR161	0.028	0.007	0.106	0.021
XR162	0.021	0.011	0.064	0.028
XR163	0.021	0.006	0.101	0.024
XR164	0.023	0.009	0.079	0.028
XR165	0.022	0.006	0.030	0.024
XR166	0.030	0.003	0.103	0.024
XR167	0.023	0.006	0.032	0.028
XR168	0.024	0.004	0.156	0.015
XR169	0.022	0.017	0.051	0.032
XR170	0.025	0.011	0.106	0.013
XR171	0.019	0.010	0.051	0.033
XR172	0.020	0.009	0.057	0.031
XR173	0.024	0.011	0.057	0.032
XR174	0.028	0.008	0.091	0.024
XR175	0.013	0.012	0.111	0.008
XR176	0.031	0.004	0.121	0.023
XR177	0.030	0.005	0.083	0.026
XR178	0.022	0.006	0.105	0.023
XR179	0.024	0.010	0.101	0.018
XR180	0.029	0.006	0.102	0.024
XR181	0.028	0.008	0.101	0.022
XR182	0.032	0.007	0.068	0.030
XR183	0.032	0.012	0.071	0.026
XR184	0.025	0.008	0.093	0.024
XR185	0.025	0.007	0.235	0.000
XR186	0.025	0.006	0.114	0.021
XR187	0.020	0.013	0.084	0.020
XR188	0.021	0.010	0.064	0.030
XR189	0.026	0.008	0.038	0.031
XR190	0.021	0.008	0.106	0.021
XR191	0.028	0.001	0.224	0.007
XR192	0.017	0.007	0.262	0.000
XR193	0.023	0.008	0.168	0.000
XR194	0.041	0.011	0.071	0.028
XR195	0.020	0.010	0.054	0.029
XR196	0.024	0.009	0.044	0.038
XR197	0.030	0.011	0.010	0.018
XR198	0.039	0.009	0.056	0.032
XR199	0.024	0.011	0.073	0.025
XR200	0.023	0.008	0.064	0.032
XR201	0.020	0.013	0.069	0.025

	Cr	Rb	Sr	Zr
XR202	0.011	0.011	0.038	0.034
XR203	0.015	0.011	0.055	0.030
XR204	0.017	0.012	0.047	0.035
XR205	0.021	0.012	0.087	0.021
XR206	0.017	0.012	0.045	0.035
XR207	0.018	0.011	0.048	0.031
XR208	0.013	0.011	0.040	0.032
XR209	0.022	0.013	0.044	0.035
XR210	0.021	0.013	0.046	0.039
XR211	0.018	0.010	0.135	0.009
XR212	0.018	0.013	0.053	0.030
XR213	0.031	0.011	0.110	0.013
XR214	0.019	0.013	0.039	0.035
XR215	0.038	0.009	0.137	0.004
XR216	0.018	0.011	0.057	0.031
XR217	0.024	0.011	0.062	0.029
XR218	0.020	0.013	0.083	0.020
XR219	0.023	0.008	0.035	0.031
XR220	0.025	0.019	0.063	0.026
XR221	0.023	0.014	0.078	0.023
XR222	0.014	0.011	0.073	0.023
XR223	0.031	0.009	0.108	0.017
XR224	0.022	0.010	0.080	0.025
XR225	0.022	0.012	0.055	0.032
XR226	0.026	0.012	0.062	0.030
XR227	0.025	0.011	0.040	0.036
XR228	0.008	0.017	0.032	0.030
XR229	0.016	0.013	0.057	0.032
XR230	0.026	0.010	0.073	0.027
XR231	0.022	0.009	0.160	0.000
XR232	0.024	0.011	0.046	0.032
XR233	0.026	0.010	0.046	0.034
XR234	0.023	0.013	0.058	0.030
XR235	0.021	0.011	0.082	0.023
XR236	0.024	0.009	0.128	0.006
XR237	0.027	0.006	0.123	0.020
XR238	0.028	0.007	0.167	0.000
XR239	0.027	0.012	0.070	0.025
XR240	0.019	0.012	0.151	0.000
XR241	0.026	0.010	0.070	0.028
XR242	0.024	0.019	0.046	0.034
XR243	0.012	0.013	0.075	0.020
XR244	0.022	0.008	0.106	0.021
XR245	0.020	0.011	0.111	0.005
XR246	0.014	0.013	0.054	0.030
XR247	0.018	0.014	0.058	0.028
XR248	0.018	0.011	0.084	0.022
XR249	0.023	0.008	0.060	0.031
XR250	0.018	0.007	0.172	0.002
XR251	0.013	0.010	0.069	0.027
XR252	0.023	0.007	0.158	0.002
XR253	0.021	0.009	0.037	0.030
XR254	0.024	0.007	0.173	0.001

	Cr	Rb	Sr	Zr
XR255	0.013	0.014	0.044	0.030
XR256	0.020	0.011	0.082	0.022
XR257	0.018	0.016	0.063	0.025
XR258	0.018	0.012	0.103	0.011
XR259	0.019	0.009	0.098	0.020
XR260	0.026	0.012	0.053	0.035
XR261	0.020	0.013	0.042	0.037
XR262	0.027	0.006	0.188	0.000
XR263	0.017	0.013	0.096	0.012
XR264	0.024	0.013	0.062	0.030
XR265	0.019	0.009	0.198	0.000
XR266	0.026	0.007	0.139	0.013
XR267	0.025	0.010	0.068	0.028
XR268	0.023	0.006	0.174	0.005
XR269	0.023	0.024	0.052	0.023
XR270	0.023	0.012	0.106	0.007
XR271	0.019	0.013	0.061	0.030
XR272	0.025	0.007	0.138	0.011
XR273	0.020	0.011	0.057	0.032
XR274	0.025	0.011	0.124	0.000
XR275	0.020	0.010	0.040	0.034
XR276	0.016	0.011	0.071	0.026
XR277	0.026	0.008	0.090	0.024
XR278	0.025	0.002	0.109	0.025
XR279	0.026	0.005	0.102	0.024
XR280	0.030	0.012	0.046	0.032
XR281	0.021	0.013	0.115	0.002
XR282	0.018	0.014	0.056	0.031
XR283	0.028	0.012	0.064	0.029
XR284	0.021	0.009	0.131	0.009
XR285	0.029	0.016	0.054	0.031
XR286	0.035	0.009	0.155	0.000
XR287	0.030	0.006	0.179	0.000
XR288	0.034	0.011	0.086	0.022
XR289	0.018	0.011	0.046	0.033
XR290	0.022	0.021	0.036	0.036
XR291	0.035	0.005	0.115	0.022
XR292	0.020	0.009	0.111	0.015
XR293	0.019	0.013	0.075	0.023
XR294	0.026	0.017	0.045	0.033
XR295	0.022	0.009	0.033	0.037
XR296	0.029	0.008	0.162	0.000
XR297	0.024	0.011	0.096	0.018
XR298	0.026	0.004	0.039	0.026
XR299	0.022	0.019	0.065	0.024
XR300	0.025	0.008	0.179	0.000
XR301	0.027	0.008	0.098	0.022
XR302	0.024	0.011	0.041	0.037
XR303	0.035	0.012	0.077	0.025
XR304	0.039	0.003	0.172	0.013
XR305	0.037	0.004	0.074	0.027
XR306	0.029	0.014	0.095	0.019
XR307	0.030	0.010	0.100	0.022

	Cr	Rb	Sr	Zr
XR308	0.029	0.010	0.134	0.013
XR309	0.030	0.008	0.033	0.027
XR310	0.028	0.013	0.031	0.034
XR311	0.029	0.008	0.105	0.020
XR312	0.031	0.010	0.085	0.025
XR313	0.029	0.008	0.040	0.030
XR314	0.031	0.010	0.217	0.000
XR315	0.033	0.007	0.063	0.028
XR316	0.020	0.005	0.065	0.029
XR317	0.019	0.011	0.073	0.027
XR318	0.012	0.008	0.047	0.036
XR319	0.018	0.010	0.065	0.030
XR320	0.028	0.000	0.119	0.024
XR321	0.015	0.009	0.030	0.033
XR322	0.023	0.011	0.075	0.027
XR323	0.037	0.013	0.066	0.028
XR324	0.025	0.011	0.066	0.028
XR325	0.027	0.006	0.197	0.000
XR326	0.032	0.005	0.178	0.002
XR327	0.027	0.011	0.074	0.027
XR328	0.034	0.004	0.123	0.020
XR329	0.036	0.008	0.040	0.033
XR330	0.049	0.003	0.196	0.004
XR331	0.038	0.002	0.136	0.022
XR332	0.028	0.013	0.059	0.028
XR333	0.032	0.005	0.077	0.027
XR334	0.032	0.006	0.143	0.014
XR335	0.029	0.009	0.199	0.000
XR336	0.024	0.014	0.133	0.000
XR337	0.023	0.013	0.052	0.032
XR338	0.041	0.009	0.056	0.031
XR339	0.025	0.012	0.137	0.000
XR340	0.027	0.010	0.050	0.034
XR341	0.029	0.006	0.169	0.004
XR342	0.035	0.008	0.083	0.026
XR343	0.029	0.008	0.047	0.029
XR344	0.020	0.011	0.062	0.027
XR345	0.031	0.012	0.109	0.000
XR346	0.028	0.019	0.085	0.013
XR347	0.029	0.020	0.078	0.016
XR348	0.039	0.006	0.182	0.000
XR349	0.030	0.015	0.074	0.026
XR350	0.030	0.011	0.209	0.000
XR351	0.025	0.016	0.073	0.022
XR352	0.030	0.009	0.135	0.011
XR353	0.026	0.011	0.154	0.000
XR354	0.035	0.008	0.158	0.006
XR355	0.028	0.003	0.042	0.030
XR356	0.030	0.011	0.102	0.016
XR357	0.028	0.008	0.067	0.031
XR358	0.027	0.015	0.046	0.034
XR359	0.021	0.012	0.072	0.026
XR360	0.028	0.012	0.048	0.031

	Cr	Rb	Sr	Zr
XR361	0.037	0.004	0.105	0.023
XR362	0.021	0.007	0.076	0.027
XR363	0.022	0.004	0.164	0.009
XR364	0.019	0.015	0.035	0.041
XR365	0.025	0.010	0.041	0.035
XR366	0.027	0.008	0.110	0.019
XR367	0.016	0.012	0.077	0.023
XR368	0.022	0.008	0.045	0.034
XR369	0.023	0.002	0.140	0.023
XR370	0.014	0.012	0.025	0.035
XR371	0.033	0.011	0.042	0.031
XR372	0.033	0.012	0.039	0.035
XR373	0.027	0.009	0.157	0.000
XR374	0.042	0.008	0.043	0.030
XR375	0.027	0.015	0.092	0.014
XR376	0.038	0.006	0.057	0.031
XR377	0.037	0.007	0.145	0.009
XR378	0.026	0.010	0.058	0.030
XR379	0.038	0.010	0.085	0.023
XR380	0.037	0.010	0.036	0.036
XR381	0.029	0.010	0.056	0.032
XR382	0.031	0.011	0.096	0.024
XR383	0.031	0.005	0.158	0.010
XR384	0.033	0.010	0.090	0.024
XR385	0.030	0.008	0.046	0.030
XR386	0.032	0.008	0.183	0.000
XR387	0.028	0.012	0.042	0.035
XR388	0.028	0.012	0.082	0.022
XR389	0.024	0.017	0.052	0.033
XR390	0.032	0.010	0.031	0.034
XR391	0.037	0.006	0.104	0.024
XR392	0.028	0.001	0.071	0.027
XR393	0.028	0.007	0.237	0.000
XR394	0.030	0.007	0.181	0.000
XR395	0.030	0.011	0.101	0.018
XR396	0.036	0.015	0.037	0.036
XR397	0.031	0.012	0.130	0.000
XR398	0.034	0.012	0.086	0.025
XR399	0.035	0.007	0.111	0.021
XR400	0.028	0.017	0.042	0.037
XR401	0.033	0.017	0.041	0.033
XR402	0.044	0.000	0.019	0.016

APPENDIX 7: STANDARDS USED FOR XRF CALIBRATION

S1 = UGS W-1
S2 = USGS BCR-1
S3 = USGS PCC-1
S4 = USGS AGV-1
S5 = USGS GSP-1
S6 = USGS G-2
S7 = USGS DTS-1
S9 = 2 CAS 1
S10 = 2 CAS 6
S11 = 2 CAS 7
S12 = 2 CAS 11
S13 = 2 CAS 12
S14 = 2 CAS 13
S15 = AN 4
S16 = BCS 375
S17 = BCS 269
S19 = KC 10
S20 = KC 11
S21 = KC 12
S22 = KC 13

Major Oxides

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
S1	2.15	6.62	15.9	52.64	0.64	10.95	1.07	0.17	11.09
S2	3.27	3.46	13.61	54.2	1.7	6.92	2.2	0.18	13.4
S3	0.0	43.18	0.74	41.90	0.0	0.51	0.01	0.12	8.35
S4	4.26	1.53	17.25	59.0	2.89	4.90	1.04	0.1	6.76
S5	2.8	0.96	15.25	67.38	5.52	2.02	0.68	0.04	4.33
S6	4.07	0.76	16.4	69.11	4.51	1.94	0.50	0.03	2.65
S7	0.01	49.8	0.24	40.5	0.0	0.15	0.01	0.11	8.64
S9	0.38	0.31	35.48	58.2	2.49	0.22	1.29	0.0	1.14
S10	0.04	19.7	0.67	1.71	0.04	30.8	0.03	0.07	0.49
S11	0.13	0.45	44.4	49.9	0.54	0.36	1.35	0.0	2.58
S12	2.91	0.13	17.6	66.9	10.6	0.47	0.02	0.0	0.3
S13	0.13	0.06	63.6	34.0	0.12	0.31	1.34	0.0	0.3
S14	8.28	0.03	15.7	72.0	0.65	1.14	0.34	0.0	0.13
S15	0.08	0.18	9.28	88.4	0.62	0.1	0.45	0.0	0.67
S16	10.4	0.05	19.80	67.10	0.79	0.89	0.38	0.0	0.12
S17	0.36	0.93	33.90	56.70	2.62	0.22	1.48	0.01	3.31
S19	2.4	7.7	17.4	48.0	0.2	11.9	0.84	0.13	9.9
S20	3.30	3.99	16.51	55.55	2.15	6.86	1.10	0.14	8.71
S21	4.2	1.2	15.2	69.0	4.3	1.8	0.35	0.05	2.8
S22	3.78	0.01	11.6	77.2	4.78	0.21	0.13	0.02	1.68

Minor Elements

	Cr	Rb	Sr	Zr
S1	0.0114	0.0021	0.0190	0.0105
S2	0.0018	0.0047	0.0330	0.0190
S3	0.2730	0.0000	0.0000	0.0007
S4	0.0012	0.0067	0.0657	0.0225
S5	0.0012	0.0254	0.0233	0.0500
S6	0.007	0.0168	0.0479	0.0300
S7	0.400	0.0000	0.0000	0.0003

APPENDIX 8: MULTIPLE SAMPLING OVER ONE VESSEL (XRF)

XRF results for 12 samples taken at various points on a small vessel made from clay from the cliff section at Pool, and tempered with calcitic sand. See over for means and standard deviations.

Oxides

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
F1	2.0	6.7	21.9	56.5	7.0	4.1	0.77	0.05	7.0
F2	2.1	7.1	22.1	57.1	7.2	4.4	0.79	0.05	7.4
F3	2.0	7.0	21.8	56.9	7.0	4.5	0.79	0.05	7.2
F4	2.0	6.7	21.7	56.7	6.9	4.5	0.78	0.05	7.0
F5	1.9	7.0	21.7	57.0	6.7	3.7	0.72	0.04	6.7
F6	1.9	6.8	21.4	56.7	6.6	4.4	0.74	0.04	6.8
F7	1.9	7.0	21.8	56.7	6.9	4.4	0.76	0.04	7.1
F8	2.1	7.1	22.0	56.9	6.8	4.9	0.74	0.04	6.8
F9	1.8	6.7	21.6	58.0	6.6	4.0	0.73	0.04	6.6
F10	1.9	6.9	21.7	57.1	6.6	5.1	0.70	0.04	6.5
F11	2.1	6.7	21.5	57.4	6.8	4.7	0.75	0.05	6.9
F12	2.0	5.7	20.2	54.7	6.6	4.6	0.72	0.04	6.9

Elements

	Cr	Rb	Sr	Zr
F1	0.022	0.011	0.097	0.019
F2	0.025	0.010	0.101	0.019
F3	0.035	0.011	0.100	0.019
F4	0.036	0.011	0.099	0.019
F5	0.025	0.012	0.092	0.020
F6	0.031	0.012	0.089	0.021
F7	0.027	0.012	0.098	0.020
F8	0.026	0.013	0.097	0.019
F9	0.028	0.013	0.087	0.021
F10	0.027	0.013	0.088	0.021
F11	0.036	0.011	0.094	0.020
F12	0.030	0.011	0.093	0.020

Means and Standard Deviations for Multiple Samples -

Element	Mean	S.D.	(%)
Na	1.97	0.097	(4.9%)
Mg	6.78	0.038	(0.6%)
Al	21.62	0.49	(2.3%)
Si	56.81	0.77	(1.4%)
K	6.81	0.20	(2.9%)
Ca	4.44	0.38	(8.6%)
Ti	0.044	0.005	(11.4%)
Fe	6.9	0.25	(3.6%)
Cr	0.029	0.005	(17.2%)
Rb	0.012	0.001	(8.3%)
Sr	0.095	0.005	(5.3%)
Zr	0.020	0.0008	(4.0%)

APPENDIX 9: % OXIDE CONCENTRATIONS OF POTTERY SAMPLES, DETECTED BY ICPS

Results are for data corrected to standard (KC11), but otherwise unnormalised.

See Appendix 4 for key to samples.

	Al	Fe	Mg	Ca	Na	K	Ti	P	Mn
IC1	14.0	5.0	1.9	2.3	1.6	2.5	0.47	1.7	0.08
IC2	15.6	6.8	2.4	1.5	1.7	2.8	0.60	0.8	0.06
IC3	13.7	6.3	1.4	2.5	1.6	2.5	0.54	3.7	0.05
IC4	14.2	5.4	1.9	2.7	1.9	3.5	0.64	1.7	0.13
IC5	16.2	4.9	1.4	1.8	1.6	4.8	0.68	1.7	0.15
IC6	11.9	3.6	1.3	0.9	1.8	3.0	0.44	0.3	0.04
IC7	14.7	8.9	2.0	2.1	1.5	2.6	0.57	1.8	0.04
IC8	14.7	7.8	1.9	2.8	1.3	2.3	0.52	1.8	0.05
IC9	17.8	7.5	1.5	2.1	0.8	5.0	0.71	2.9	0.06
IC10	13.5	5.9	1.5	2.7	2.2	2.8	0.60	2.7	0.11
IC11	17.6	7.8	1.6	1.5	0.8	5.2	0.73	1.7	0.06
IC12	11.8	3.9	0.7	1.6	1.8	2.6	0.38	2.2	0.02
IC13	14.1	5.5	1.4	1.0	1.6	3.7	0.56	0.8	0.08
IC14	14.7	9.1	2.1	1.6	1.5	2.6	0.56	0.8	0.10
IC15	16.0	7.9	1.6	3.0	1.1	3.3	0.66	4.6	0.18
IC16	12.2	5.2	0.8	1.8	2.1	2.7	0.52	2.4	0.04
IC17	18.5	7.7	1.8	1.0	0.7	5.1	0.73	0.7	0.04
IC18	13.8	5.2	1.7	1.6	2.1	3.0	0.56	1.2	0.15
IC19	14.2	5.4	2.1	1.5	2.1	3.1	0.62	0.8	0.11
IC20	12.8	5.3	1.1	2.5	1.4	2.4	0.46	3.4	0.05
IC21	15.7	7.0	2.1	1.6	1.7	3.0	0.60	1.1	0.13
IC22	16.1	8.7	2.2	2.8	1.4	2.5	0.51	3.6	0.08
IC23	18.3	7.0	2.8	2.3	2.2	3.3	0.88	1.8	0.09
IC24	16.4	3.0	1.0	1.4	2.2	4.2	0.63	1.5	0.02
IC25	14.0	5.4	1.4	2.8	2.4	2.7	0.56	3.6	0.05
IC26	15.1	6.2	1.4	2.5	1.4	3.2	0.56	3.1	0.04
IC27	15.4	8.6	1.7	1.9	2.2	3.6	0.80	2.4	0.07
IC28	17.2	4.4	1.5	0.8	2.4	5.1	0.83	0.4	0.05
IC29	13.2	5.2	1.5	1.7	1.9	2.8	0.56	1.3	0.06
IC30	15.3	6.6	2.7	2.0	1.7	2.9	0.60	1.5	0.05
IC31	17.0	6.6	1.5	1.0	1.0	5.1	0.71	0.4	0.10
IC32	17.0	4.2	1.4	1.0	2.1	4.3	0.79	0.5	0.06
IC33	13.5	5.4	1.5	1.1	1.8	3.8	0.52	0.5	0.13
IC34	13.6	5.3	1.3	2.0	1.9	2.9	0.57	1.9	0.06
IC35	13.3	5.4	2.1	1.2	2.5	2.9	0.51	0.8	0.05
IC36	16.0	6.0	1.4	2.3	1.1	4.8	0.66	1.1	0.13
IC37	10.0	3.2	1.4	1.5	1.8	2.1	0.39	0.6	0.08
IC38	16.2	6.4	2.2	2.6	2.1	3.0	0.71	2.8	0.19
IC39	9.9	3.6	1.0	1.4	1.9	2.3	0.36	1.2	0.08
IC40	12.5	3.0	0.6	1.1	1.5	3.2	0.53	1.0	0.02
IC41	11.7	4.1	1.1	1.2	2.4	2.7	0.50	0.7	0.06

	Al	Fe	Mg	Ca	Na	K	Ti	P	Mn
IC42	15.6	3.8	0.9	2.2	2.1	4.0	0.54	2.2	0.03
IC43	17.7	7.4	1.8	0.8	0.7	5.1	0.70	0.4	0.35
IC44	12.6	5.4	1.4	2.5	1.4	2.2	0.44	3.1	0.13
IC45	13.6	5.3	1.4	1.8	1.7	2.6	0.54	2.1	0.05
IC46	13.5	4.0	1.6	1.4	2.4	3.8	0.51	1.0	0.07
IC47	11.0	4.2	1.1	1.1	2.1	2.5	0.49	1.0	0.03
IC48	13.8	5.9	1.6	2.4	2.0	2.8	0.62	2.6	0.09
IC49	11.0	4.6	1.2	1.5	1.9	2.5	0.47	1.0	0.13
IC50	11.2	4.0	1.4	1.1	2.1	2.6	0.43	0.4	0.26
IC51	16.2	6.7	1.5	1.1	0.8	4.7	0.63	0.5	0.11
IC52	14.7	7.3	1.2	1.0	1.8	4.3	0.59	0.8	0.03
IC53	15.1	3.4	1.2	0.9	1.1	5.2	0.60	0.6	0.03
IC54	14.4	3.4	1.1	1.2	1.1	4.8	0.54	0.9	0.03
IC55	13.8	7.1	0.9	1.3	1.5	3.2	0.55	1.0	0.04
IC56	15.6	4.7	1.4	0.9	2.5	3.4	0.60	0.3	0.53
IC57	15.6	4.7	1.5	1.1	2.5	3.6	0.60	0.8	0.03
IC58	13.6	4.3	1.6	0.9	2.3	3.0	0.47	0.7	0.03
IC59	14.4	4.5	1.7	0.9	2.4	3.3	0.54	0.8	0.02
IC60	13.4	7.1	1.2	1.2	2.2	2.8	0.52	0.6	0.71
IC61	14.9	4.6	1.3	0.8	2.3	3.3	0.56	0.2	0.25
IC62	14.3	4.5	1.4	1.2	2.3	3.2	0.55	0.4	0.08
IC63	15.4	4.6	1.5	0.8	2.3	3.3	0.58	0.2	0.32
IC64	16.5	5.1	1.7	0.9	2.7	3.9	0.64	0.4	0.07
IC65	13.2	4.0	1.5	1.0	2.2	3.2	0.50	0.4	0.09
IC66	17.1	7.5	1.6	1.1	0.9	4.8	0.72	1.1	0.13
IC67	18.3	5.0	1.6	2.1	1.7	5.3	0.71	1.3	0.06
IC68	11.8	3.8	1.2	1.4	2.4	2.7	0.43	1.0	0.05
IC69	16.4	6.7	2.0	1.6	1.6	2.9	0.62	1.0	0.11
IC70	14.1	5.8	1.0	1.5	2.2	3.9	0.57	1.7	0.04
IC71	11.5	4.2	0.9	1.2	2.4	2.7	0.40	1.1	0.04
IC72	13.1	5.4	0.9	1.1	1.1	3.8	0.48	1.0	0.12
IC73	12.5	4.4	1.0	1.9	1.6	2.9	0.39	2.8	0.04
IC74	13.8	4.2	0.9	1.8	3.0	2.9	0.53	3.0	0.02
IC75	11.4	4.0	1.8	5.0	2.4	2.6	0.42	0.6	0.06
IC76	11.1	3.6	1.2	1.2	2.1	2.8	0.38	0.7	0.05
IC77	13.5	5.5	2.1	1.0	2.5	3.1	0.52	0.5	0.10
IC78	12.0	4.5	1.5	1.7	2.3	2.5	0.45	1.7	0.12
IC79	12.2	6.5	1.3	0.7	1.5	4.0	0.43	0.5	0.12
IC80	16.6	7.7	1.6	3.0	1.4	2.9	0.64	4.8	0.32
IC81	10.6	6.7	0.8	1.5	1.1	3.6	0.37	2.6	0.53
IC82	14.8	5.8	1.1	1.4	1.5	3.4	0.54	2.1	0.03
IC83	10.9	3.7	1.6	4.7	2.1	2.4	0.43	0.4	0.08
IC84	12.2	3.5	1.4	1.0	2.1	3.3	0.48	0.6	0.06
IC85	11.1	3.8	0.7	1.4	2.5	2.4	0.39	1.6	0.03
IC86	12.8	4.8	1.0	1.5	2.2	2.8	0.45	1.7	0.03
IC87	18.2	9.0	2.7	1.0	1.0	4.6	0.68	0.4	0.11
IC88	15.1	7.1	2.0	3.3	1.6	2.7	0.67	4.0	0.10
IC89	16.5	7.5	1.3	2.5	1.1	3.9	0.62	3.7	0.06
IC90	10.3	4.0	0.7	0.9	0.7	3.3	0.35	0.7	0.01
IC91	12.9	6.5	1.0	0.6	1.1	4.1	0.45	0.5	0.04
IC92	12.8	4.7	0.8	1.4	3.0	2.8	0.44	1.7	0.02
IC93	14.3	5.1	1.9	2.0	2.8	2.7	0.50	2.7	0.21
IC94	13.6	6.4	2.2	1.0	2.6	2.8	0.49	0.9	0.11

	Al	Fe	Mg	Ca	Na	K	Ti	P	Mn
IC95	12.8	6.3	1.1	1.3	1.7	3.2	0.46	1.6	0.08
IC96	12.7	6.6	3.3	3.2	2.0	2.3	0.68	1.7	0.11
IC97	14.3	4.9	1.6	1.1	1.7	2.9	0.55	1.4	0.03
IC98	15.5	2.8	1.3	1.6	2.1	3.1	0.66	1.0	0.03
IC99	16.2	5.9	3.6	3.6	1.2	4.1	0.77	1.6	0.17
IC100	18.1	16.0	3.3	6.0	0.7	3.0	2.73	3.6	0.31
IC101	17.8	8.0	7.5	4.7	2.1	3.9	1.22	1.2	0.11
IC102	17.7	8.9	6.8	3.1	1.9	2.5	1.00	2.1	0.14
IC103	14.8	7.4	2.1	3.5	1.8	2.6	0.70	3.6	0.36
IC104	17.2	3.4	1.9	2.1	0.7	5.3	0.72	0.8	0.75
IC105	15.5	5.3	1.8	4.8	0.6	5.0	0.61	1.0	0.16
IC106	12.3	5.2	1.5	1.9	2.1	3.1	0.63	1.3	0.03
IC107	14.3	3.7	2.1	2.5	2.3	2.9	0.68	0.7	0.03
IC108	13.4	5.4	1.0	1.9	1.5	2.6	0.50	2.2	0.03
IC109	15.2	5.2	2.0	4.3	0.8	5.3	0.57	0.7	0.19
IC110	18.3	6.3	2.3	2.2	1.4	3.2	0.65	1.7	0.04
IC111	14.9	4.9	1.3	0.9	1.3	3.9	0.58	0.8	0.02
IC112	13.5	5.6	3.5	5.1	1.8	2.6	0.72	1.9	0.12
IC113	14.4	6.9	4.3	5.0	1.5	3.2	0.91	1.5	0.07
IC114	12.2	6.2	1.8	1.9	2.1	2.7	0.75	1.2	0.05
IC115	12.3	2.1	0.5	1.8	1.9	2.6	0.42	1.7	0.10
IC116	15.4	4.9	2.2	3.5	0.7	4.6	0.63	0.8	0.18
IC117	15.6	5.4	1.7	1.5	1.1	4.0	0.59	1.3	0.23
IC118	10.6	3.2	0.8	1.1	1.7	2.8	0.37	1.0	0.02
IC119	12.2	3.4	1.2	0.8	1.8	3.4	0.43	0.2	0.04
IC120	13.9	4.8	2.0	6.0	0.7	4.1	0.56	1.0	0.15
IC121	14.2	2.6	0.7	1.9	2.0	2.5	0.51	2.0	0.03
IC122	15.6	5.3	1.3	2.2	1.2	2.6	0.61	1.9	0.28
IC123	16.1	4.3	1.5	2.0	0.7	3.7	0.56	1.6	0.14
IC124	17.1	5.9	2.3	2.5	1.3	2.8	0.57	2.0	0.05
IC125	13.4	3.4	1.6	1.2	0.9	3.5	0.52	1.0	0.15
IC126	15.3	3.4	1.3	2.2	1.4	2.4	0.54	1.7	0.08
IC127	15.3	5.5	2.2	5.8	0.6	3.4	0.56	0.4	0.15
IC128	19.7	4.3	2.8	2.5	0.8	5.5	0.95	0.3	0.11
IC129	17.5	7.0	2.1	4.2	0.7	4.1	0.74	1.4	0.28
IC130	14.4	4.3	1.1	0.6	1.5	4.1	0.54	0.2	0.03
IC131	13.3	2.3	0.7	1.0	2.0	2.9	0.50	0.8	0.04
IC132	14.9	6.5	1.5	1.1	1.0	3.8	0.56	0.8	0.19
IC133	15.5	4.2	1.6	2.6	1.1	4.6	0.58	1.3	0.09
IC134	14.8	2.6	1.2	1.8	2.0	2.6	0.63	1.1	0.04
IC135	8.9	1.3	0.7	0.4	1.8	2.7	0.31	0.1	0.01
IC136	9.5	1.6	0.7	0.5	1.6	2.5	0.33	0.1	0.01
IC137	7.2	0.7	0.2	0.4	1.8	2.3	0.19	0.1	0.01
IC138	10.5	4.3	0.9	0.4	1.9	2.0	0.38	0.1	0.02
IC139	11.6	1.2	0.9	0.4	1.9	3.4	0.47	0.1	0.01
IC140	14.6	7.3	1.5	1.4	2.0	2.6	0.64	1.4	0.07
IC141	13.9	5.8	2.1	2.4	2.5	2.9	0.80	1.5	0.07
IC142	15.4	5.6	3.1	1.5	1.6	3.1	0.58	0.3	0.07
IC143	15.6	5.7	1.4	1.2	2.8	3.1	0.68	0.9	0.36
IC144	16.2	4.7	1.9	0.5	1.4	4.3	0.64	0.3	0.07
IC145	13.8	4.1	1.5	3.7	1.9	2.7	0.59	0.6	0.04
IC146	15.1	6.5	2.7	2.3	2.6	3.4	0.87	0.7	0.14
IC147	16.5	6.7	3.0	0.7	1.6	4.4	0.67	0.3	0.11

	Al	Fe	Mg	Ca	Na	K	Ti	P	Mn
IC148	17.0	4.0	1.7	1.6	3.2	3.9	0.66	0.4	0.04
IC149	16.4	3.1	1.1	1.1	3.2	3.6	0.53	1.1	0.05
IC150	13.4	4.0	1.6	3.2	1.2	2.4	0.49	2.4	0.07
IC151	13.8	3.6	1.5	1.6	1.9	2.9	0.61	0.4	0.04
IC152	12.3	2.8	0.9	1.0	1.4	2.4	0.39	1.0	0.03
IC153	15.5	6.8	2.8	2.3	2.8	3.1	1.24	0.7	0.04
IC154	14.8	4.0	1.2	1.0	1.6	3.3	0.65	0.5	0.03
IC155	14.2	6.0	2.3	1.6	2.0	2.8	0.56	1.5	0.08
IC156	16.8	8.3	2.2	1.6	1.8	2.8	0.73	0.3	0.08
IC157	17.5	10.4	3.8	1.6	1.8	2.9	0.73	1.5	0.11
IC158	15.5	8.7	3.8	3.0	2.8	2.4	1.39	1.0	0.09
IC159	15.2	4.2	1.2	1.3	1.7	3.3	0.68	0.5	0.03
IC160	16.9	6.2	4.2	1.8	2.5	3.5	0.73	0.2	0.07
IC161	15.5	7.5	1.8	2.0	1.6	2.5	0.53	1.4	0.86
IC162	17.8	10.6	4.4	1.7	1.8	3.2	0.76	1.6	0.13
IC163	18.4	13.3	2.1	1.9	0.9	3.3	2.93	0.9	0.03
IC164	18.9	13.6	2.2	1.7	0.9	2.9	3.02	0.4	0.02
IC165	18.0	8.0	2.6	1.2	2.2	3.0	0.91	0.9	0.14
IC166	19.6	11.0	2.0	2.0	1.3	3.4	2.64	1.9	0.03
IC167	20.4	12.0	1.8	3.1	0.8	5.7	4.70	1.3	0.16
IC168	15.2	7.1	1.5	0.9	1.6	3.3	0.56	0.4	0.16
IC169	17.6	8.3	2.5	1.3	2.1	0.8	2.60	0.8	0.09
IC170	16.1	9.2	3.2	2.5	2.5	2.9	1.32	1.2	0.14
IC171	18.3	11.2	4.5	1.8	1.8	3.2	0.78	1.0	0.15
IC172	17.2	8.0	2.9	1.7	1.8	2.7	0.68	1.6	0.09
IC173	19.4	14.1	2.1	2.1	1.0	3.2	3.15	1.1	0.03
IC174	14.6	5.4	1.8	1.9	2.0	2.7	0.59	0.7	0.04
IC175	17.9	8.1	2.9	1.9	1.8	2.8	0.69	1.9	0.04
IC176	14.2	5.4	2.2	0.9	2.2	3.3	0.57	0.4	0.05
IC177	12.8	4.4	1.4	1.2	1.8	2.7	0.47	0.6	0.04
IC178	18.1	6.0	2.1	2.5	2.9	3.0	0.75	2.1	0.03
IC179	15.9	8.2	2.1	1.5	1.5	3.7	0.58	0.8	0.07
IC180	15.6	6.1	3.7	3.6	2.6	3.0	0.98	1.5	0.06
IC181	14.5	6.4	2.5	1.7	1.9	3.3	0.59	1.4	0.09
IC182	14.2	5.7	1.8	0.8	2.6	3.4	0.53	0.4	0.09

APPENDIX 10: PPM CONCENTRATIONS OF POTTERY SAMPLES, DETECTED BY ICPS ANALYSIS

Results are for data corrected to standard (KCl1), but otherwise unnormalised.

See Appendix 4 for key to samples.

	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Sc	Sr	V	Y	Zn
IC1	103	5	131	103	3	2247	15	75	22	874	102	58	191
IC2	116	6	137	92	4	3635	13	69	22	430	137	58	191
IC3	90	5	126	124	2	1718	17	53	16	1212	109	32	168
IC4	93	6	134	103	2	1090	11	48	14	693	101	20	134
IC5	77	6	153	124	2	1057	13	56	14	658	110	16	158
IC6	73	4	74	103	2	898	7	41	10	226	57	15	81
IC7	142	6	126	124	5	2522	15	63	26	768	150	73	208
IC8	107	6	116	103	3	1589	17	55	18	749	115	32	205
IC9	137	5	166	81	3	656	12	66	17	1877	95	31	160
IC10	89	5	121	124	2	1175	12	54	13	1156	83	19	239
IC11	104	6	151	70	3	832	14	67	17	729	99	20	126
IC12	63	3	91	80	2	869	11	29	9	840	61	12	84
IC13	93	6	104	80	2	1158	11	51	11	382	86	16	105
IC14	92	7	130	132	3	2135	16	69	21	429	138	37	214
IC15	136	7	171	111	4	1520	16	70	23	1687	128	44	178
IC16	88	5	111	111	2	790	16	47	14	1287	71	17	94
IC17	77	5	151	80	2	730	15	68	17	451	112	21	104
IC18	88	7	106	111	2	1034	13	56	14	680	91	20	197
IC19	90	6	116	153	2	942	9	63	13	428	106	19	122
IC20	81	4	119	143	2	1246	17	46	17	1180	103	20	158
IC21	100	7	141	128	3	1842	14	72	21	708	118	45	328
IC22	103	6	151	128	3	1842	17	68	27	1765	140	47	295
IC23	127	9	177	128	4	2017	14	73	23	804	148	46	196
IC24	86	3	131	95	2	1462	13	36	17	798	100	24	111
IC25	90	5	131	128	2	1403	15	46	16	1527	83	25	290
IC26	100	4	123	117	3	1295	14	51	17	1417	108	24	188
IC27	89	7	137	161	2	1295	15	86	21	981	130	26	186
IC28	103	4	136	95	2	1407	11	54	18	315	113	24	143
IC29	131	5	140	117	4	1689	13	57	19	578	97	47	210
IC30	101	7	135	117	3	1858	14	67	17	652	106	27	279
IC31	159	6	148	104	4	481	13	61	15	579	107	20	91
IC32	99	3	150	104	3	1419	12	58	16	396	120	26	199
IC33	76	4	121	83	2	709	10	51	10	423	77	11	118
IC34	135	5	140	115	4	1571	14	56	20	821	96	54	230
IC35	90	6	125	104	2	861	14	68	12	375	87	23	165
IC36	190	6	151	71	5	524	15	53	15	1059	88	26	97
IC37	65	4	83	81	2	577	13	45	7	374	55	13	135
IC38	119	8	164	135	4	1546	18	72	21	1271	129	41	241
IC39	63	4	95	103	2	524	10	39	9	555	51	11	217
IC40	71	4	103	60	2	655	15	32	7	433	72	8	72
IC41	53	3	92	81	1	711	12	32	6	428	63	8	120

	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Sc	Sr	V	Y	Zn
IC42	91	3	137	177	3	1201	14	37	16	1023	106	25	236
IC43	119	6	168	103	3	466	15	72	16	473	107	21	199
IC44	89	5	117	103	2	1079	13	47	13	1339	84	21	318
IC45	119	5	131	103	3	1348	14	49	18	838	94	43	324
IC46	84	4	118	94	2	618	15	44	12	516	71	18	119
IC47	56	3	90	72	1	594	11	32	7	505	66	9	106
IC48	103	6	144	126	3	1093	18	57	18	1032	109	30	184
IC49	75	4	108	115	2	523	11	49	10	579	71	14	155
IC50	48	4	93	94	1	689	14	41	8	361	69	9	161
IC51	126	6	121	84	4	783	12	72	14	247	125	27	127
IC52	72	5	102	96	2	580	18	69	15	375	89	21	72
IC53	109	2	122	66	3	460	16	31	11	298	163	15	57
IC54	103	3	122	96	3	380	15	38	11	380	159	14	53
IC55	91	6	85	116	3	900	19	44	13	541	100	28	135
IC56	69	5	110	126	2	860	18	53	14	151	105	15	120
IC57	70	4	122	116	2	700	17	52	14	153	93	17	101
IC58	74	5	105	179	2	1140	19	72	14	222	95	27	123
IC59	78	5	116	98	2	1080	20	55	14	222	96	25	114
IC60	62	10	103	118	2	900	24	58	11	212	156	16	211
IC61	65	5	107	108	2	760	19	51	13	131	103	14	110
IC62	66	5	120	138	2	960	20	56	13	163	100	18	119
IC63	77	4	115	86	2	847	20	49	14	117	111	14	125
IC64	74	4	120	166	2	999	19	53	15	134	113	17	133
IC65	71	5	98	126	2	1173	20	61	12	178	95	22	103
IC66	133	6	160	96	3	499	18	65	15	887	97	25	99
IC67	77	6	155	166	2	673	20	48	16	824	115	18	187
IC68	78	4	93	98	2	648	15	37	11	531	61	21	121
IC69	225	7	162	149	5	2124	18	123	42	436	136	87	352
IC70	76	3	131	108	2	961	20	45	12	463	94	22	74
IC71	75	3	90	128	2	581	15	33	10	493	66	16	90
IC72	74	4	110	98	2	827	16	33	10	304	85	21	70
IC73	81	3	119	130	2	717	15	33	11	926	72	22	142
IC74	89	4	123	110	2	630	18	33	13	866	64	23	51
IC75	70	5	108	99	2	717	15	49	9	459	65	18	121
IC76	64	5	90	99	2	565	13	40	9	421	57	16	93
IC77	74	6	114	151	2	847	16	67	12	293	76	21	130
IC78	73	5	107	141	2	546	18	54	11	721	72	21	206
IC79	64	6	104	130	2	713	17	41	10	281	81	20	69
IC80	131	7	160	79	4	903	23	73	16	1106	94	23	115
IC81	76	6	105	118	2	543	16	37	11	757	74	18	121
IC82	88	4	124	108	3	760	20	47	12	594	92	27	92
IC83	64	5	103	108	2	651	15	48	9	303	64	16	88
IC84	72	4	92	108	2	521	14	48	11	314	68	15	79
IC85	69	3	92	88	2	456	16	34	9	614	59	18	63
IC86	77	3	93	106	2	680	17	34	11	696	78	20	97
IC87	117	7	135	96	4	760	16	91	18	229	107	30	236
IC88	107	7	141	166	3	840	20	60	16	1594	114	27	344
IC89	116	5	138	116	3	640	21	50	17	1348	106	28	206
IC90	55	2	86	106	2	420	13	30	7	197	70	13	43
IC91	72	3	79	169	2	507	15	30	8	183	82	24	43
IC92	61	3	83	108	2	591	15	27	10	587	63	15	57
IC93	79	5	120	108	2	929	17	51	13	812	80	24	179
IC94	64	5	87	108	2	1119	20	44	13	298	90	21	136

	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Sc	Sr	V	Y	Zn
IC95	57	5	97	149	2	823	17	40	10	493	77	17	62
IC96	61	8	191	117	2	760	15	96	16	411	119	18	107
IC97	90	5	145	161	3	1105	15	83	22	308	103	30	144
IC98	96	4	118	139	3	1336	13	51	18	491	74	30	152
IC99	89	9	211	106	3	622	17	95	20	466	131	23	192
IC100	300	11	1078	148	9	932	23	265	45	1435	351	52	220
IC101	59	19	406	320	2	1348	18	199	33	401	189	23	252
IC102	97	15	267	180	3	1545	16	165	26	467	136	25	164
IC103	90	9	160	202	3	637	20	79	17	1068	112	23	310
IC104	116	11	139	104	3	564	16	62	16	371	110	19	81
IC105	117	9	116	126	4	507	14	62	14	503	92	21	91
IC106	71	5	109	126	2	1064	17	51	15	435	104	20	103
IC107	64	6	138	126	2	861	15	78	13	392	82	17	113
IC108	125	5	130	126	4	1064	15	74	29	798	91	71	115
IC109	90	11	128	126	3	481	16	73	13	413	91	16	69
IC110	168	8	174	126	4	2153	18	68	33	751	125	69	183
IC111	85	4	109	83	2	380	13	65	14	207	71	12	45
IC112	114	8	228	169	3	684	16	124	15	858	124	30	180
IC113	67	10	261	156	2	831	19	119	24	467	166	23	219
IC114	75	6	104	135	2	998	20	62	15	373	107	26	114
IC115	75	4	106	135	2	926	14	51	14	498	41	27	144
IC116	92	8	138	103	3	428	18	62	13	371	92	17	75
IC117	113	8	112	103	3	523	18	70	13	420	80	22	174
IC118	47	3	81	101	1	662	11	31	9	409	54	12	82
IC119	74	4	95	111	2	515	11	42	11	145	64	18	62
IC120	109	9	116	101	3	417	16	62	13	541	82	18	138
IC121	121	4	128	143	4	1275	15	48	22	523	67	64	112
IC122	130	7	145	122	4	1128	22	59	31	546	106	62	197
IC123	116	7	131	101	4	570	17	58	15	285	88	21	97
IC124	165	7	149	164	4	2066	17	90	31	868	119	64	252
IC125	79	5	119	143	2	451	15	57	12	296	76	17	169
IC126	128	5	135	164	4	1710	14	83	36	746	85	80	213
IC127	115	8	120	101	4	499	15	61	15	244	92	21	57
IC128	116	10	167	115	4	686	15	74	17	244	129	17	39
IC129	112	9	154	148	4	539	18	69	16	572	101	18	123
IC130	82	4	94	94	2	417	11	46	13	139	84	16	56
IC131	78	4	93	104	2	1128	15	38	13	329	45	25	110
IC132	97	7	112	180	2	417	17	89	15	294	98	24	131
IC133	99	6	112	105	3	553	19	42	14	461	87	17	83
IC134	89	4	109	144	2	1497	13	35	15	526	70	25	135
IC135	22	2	39	173	1	438	9	19	4	126	35	5	31
IC136	59	2	40	65	1	691	8	31	7	110	43	16	60
IC137	21	1	30	331	1	230	9	11	2	112	19	4	22
IC138	36	3	49	96	1	648	14	27	6	126	56	8	50
IC139	49	1	68	76	1	872	12	23	7	110	56	8	41
IC140	105	8	102	136	3	1095	14	66	14	594	83	24	140
IC141	136	7	114	136	4	469	17	59	15	848	95	25	176
IC142	99	7	122	156	2	1296	15	76	15	187	107	19	113
IC143	115	7	100	136	3	926	18	63	14	340	102	25	147
IC144	88	4	110	96	2	760	16	56	15	149	104	16	91
IC145	71	5	121	136	2	974	15	48	10	420	92	14	88
IC146	160	8	118	159	4	576	18	71	16	582	104	31	217
IC147	137	7	111	128	3	1451	14	88	15	122	103	22	119

	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Sc	Sr	V	Y	Zn
IC148	152	6	105	179	4	507	18	69	13	544	91	30	106
IC149	127	5	86	98	3	484	15	54	11	568	68	23	88
IC150	85	6	101	219	2	852	19	63	11	716	101	17	162
IC151	81	5	100	126	2	720	14	51	11	330	94	21	98
IC152	57	3	75	106	2	520	15	36	10	374	83	13	72
IC153	108	8	144	206	3	1600	17	83	15	354	137	26	148
IC154	99	5	103	106	3	920	16	57	15	259	94	24	105
IC155	69	6	116	106	2	1140	17	64	12	453	103	15	240
IC156	115	8	141	116	3	1731	19	83	21	235	150	41	155
IC157	93	10	178	156	2	2491	18	118	24	428	162	31	357
IC158	104	9	167	136	3	1900	21	100	19	504	158	29	177
IC159	99	5	108	126	3	971	13	51	15	340	96	24	109
IC160	78	11	198	146	2	1372	18	124	20	198	142	22	113
IC161	177	7	190	159	7	1604	22	105	43	474	136	48	160
IC162	97	11	190	189	3	2301	22	140	25	408	191	13	398
IC163	74	5	678	300	2	1119	21	176	26	306	259	10	286
IC164	74	4	677	240	2	1246	21	171	27	197	271	11	337
IC165	130	8	152	118	4	1520	20	76	24	316	143	18	194
IC166	137	6	648	166	4	847	21	159	34	569	258	16	129
IC167	295	42	851	306	8	717	35	244	43	896	374	19	117
IC168	91	7	122	226	3	803	25	70	14	281	113	8	68
IC169	125	8	152	126	4	1368	19	82	23	422	139	17	189
IC170	100	9	138	186	3	2193	21	94	18	535	176	10	283
IC171	89	11	204	193	2	3301	21	135	26	247	203	33	199
IC172	101	7	159	173	3	1663	19	92	20	498	147	29	246
IC173	73	5	700	223	2	1425	23	172	28	374	281	28	302
IC174	79	5	118	115	2	1354	16	71	14	279	93	21	183
IC175	104	7	157	173	3	1876	18	92	21	629	153	29	261
IC176	81	6	111	116	2	1140	15	68	14	183	89	24	124
IC177	87	4	107	106	3	1414	16	63	19	290	89	54	168
IC178	99	6	155	176	3	1942	22	78	20	769	136	28	163
IC179	104	7	139	136	3	1260	18	81	25	332	125	49	219
IC180	121	8	210	156	4	2140	20	103	19	719	131	28	154
IC181	65	6	126	136	2	1420	19	67	13	419	115	15	175
IC182	53	6	124	96	1	1480	16	62	10	202	93	14	196

APPENDIX 11: XRF DATA FOR TEMPERING EXPERIMENT

W = Sanday clay 1
X = Sanday clay 2
Y = commercial clay from south of England
Z = clay from Skye
Numbers after the letter indicate the percentage of temper added.

Oxides

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
WO	1.8	8.7	20.3	60.5	4.9	1.3	0.90	0.18	8.6
W1O	2.3	6.8	18.8	58.9	4.4	2.6	0.78	0.22	6.6
W2O	3.0	5.9	17.1	59.9	3.9	5.8	0.64	0.18	5.4
W3O	4.2	4.0	13.9	58.6	3.1	10.7	0.42	0.10	3.3
W4O	3.8	5.0	15.5	58.0	3.5	9.0	0.52	0.12	4.1
W5O	5.2	3.3	12.7	57.1	2.7	13.4	0.32	0.06	2.6
XO	1.8	7.2	22.8	54.8	7.7	1.3	0.94	0.07	9.2
X1O	2.0	6.8	21.9	54.0	7.0	3.4	0.81	0.05	7.6
X2O	2.0	7.5	22.9	55.9	7.2	4.3	0.78	0.05	6.9
X3O	2.2	7.0	22.0	54.9	6.9	4.8	0.73	0.04	6.6
X4O	3.0	6.0	19.5	53.6	5.8	9.1	0.54	0.02	4.5
X5O	3.5	5.3	17.9	54.1	5.1	10.7	0.47	0.02	3.7
YO	1.4	9.9	27.5	54.8	2.4	2.0	1.53	0.12	10.0
Y1O	1.2	10.6	27.7	56.6	2.3	3.8	1.41	0.11	9.0
Y2O	1.1	10.6	27.5	57.7	2.3	5.2	1.31	0.10	7.8
Y3O	1.3	9.8	25.9	56.6	2.2	7.6	1.08	0.08	6.3
Y4O	1.6	8.9	24.7	56.7	2.1	9.6	0.93	0.06	5.4
Y5O	2.3	7.1	21.4	56.5	1.9	11.4	0.69	0.05	4.2
ZO	0.8	11.2	26.8	59.7	3.0	1.3	1.24	0.09	10.9
Z1O	1.0	10.6	26.0	59.2	2.9	3.4	1.08	0.07	9.1
Z2O	1.4	9.4	23.9	58.6	2.6	6.0	0.87	0.05	7.1
Z3O	1.7	8.8	22.8	58.9	2.5	7.9	0.76	0.04	5.8
Z4O	1.7	8.6	22.3	54.0	2.5	9.6	0.75	0.03	5.5
Z5O	1.9	8.4	22.0	53.3	2.5	11.0	0.69	0.03	5.1

Elements

	Cr	Rb	Sr	Zr
W1O	0.044	0.011	0.037	0.032
W2O	0.069	0.011	0.047	0.030
W3O	0.048	0.012	0.053	0.024
W4O	0.058	0.012	0.054	0.025
W5O	0.023	0.011	0.054	0.021
XO	0.031	0.008	0.098	0.023
X1O	0.035	0.010	0.093	0.022
X2O	0.030	0.011	0.091	0.021

	Cr	Rb	Sr	Zr
X30	0.024	0.011	0.087	0.021
X40	0.023	0.012	0.081	0.017
X50	0.020	0.013	0.072	0.018
Y0	0.036	0.006	0.028	0.035
Y10	0.058	0.007	0.044	0.033
Y20	0.041	0.008	0.049	0.032
Y30	0.042	0.009	0.059	0.028
Y40	0.045	0.010	0.060	0.026
Y50	0.080	0.011	0.059	0.024
Z0	0.044	0.005	0.024	0.038
Z10	0.038	0.008	0.046	0.034
Z20	0.029	0.010	0.055	0.031
Z30	0.025	0.011	0.060	0.027
Z40	0.026	0.010	0.064	0.026
Z50	0.035	0.010	0.067	0.024

APPENDIX 12: % OXIDE CONCENTRATIONS OF CLAY SAMPLES, DETECTED BY XRF

Results are for unnormalised data.

See Appendix 1 for description of samples.

	Na	Mg	Al	Si	K	Ca	Ti	Mn	Fe
A1	2.5	5.9	17.8	55.8	4.0	1.2	0.8	0.08	8.9
A2	3.5	3.7	17.2	66.4	4.1	1.3	0.9	0.02	1.8
A3	2.4	4.7	17.1	56.6	3.8	1.1	0.8	0.06	8.1
A4	3.4	4.1	16.3	65.3	3.5	1.4	0.8	0.07	5.6
A5	2.1	5.5	21.0	62.8	4.6	1.2	0.8	0.03	2.8
A6	2.8	3.6	16.4	64.7	3.3	1.2	0.7	0.08	5.2
A7	2.6	5.6	17.6	62.1	3.9	1.3	0.8	0.09	5.7
A8	1.9	8.2	19.9	58.7	4.6	1.3	0.9	0.13	7.9
A9	1.8	8.4	19.8	56.8	4.7	1.2	1.0	0.11	8.7
A10	3.0	5.3	17.9	60.2	3.8	1.1	0.9	0.05	6.3
A11	2.8	5.3	17.6	61.6	4.1	1.1	0.8	0.05	5.8
A12	2.0	6.9	19.0	57.2	4.4	1.3	0.9	0.19	6.7
A13	3.4	4.7	18.8	69.3	3.9	1.3	1.0	0.04	1.4
A14	2.9	4.9	18.4	62.4	3.8	1.2	0.8	0.05	5.6
B1	2.2	7.8	20.4	58.2	4.4	1.1	0.9	0.08	9.2
B2	2.6	4.9	17.6	62.0	3.9	1.1	0.7	0.08	6.2
B3	2.6	5.7	22.1	62.7	4.3	1.2	1.1	0.05	4.3
B4	2.1	5.4	21.3	62.8	4.2	1.1	0.8	0.07	6.6
B5	2.6	6.2	22.4	62.9	4.4	1.1	0.9	0.09	6.7
B6	2.8	6.3	22.1	63.1	4.1	1.1	0.9	0.07	8.5
B7	2.9	5.4	20.5	63.1	4.1	1.1	0.8	0.07	7.4
B8	3.0	5.7	21.3	66.3	4.0	1.1	0.8	0.07	6.9
B9	2.7	6.2	21.2	62.8	3.9	1.1	0.8	0.07	7.6
C1	1.8	3.1	25.7	61.0	6.6	1.5	1.0	0.17	8.3
C2	3.3	7.0	19.3	42.6	5.5	14.8	0.6	0.11	5.0
C3	16.0	6.9	11.1	30.5	3.0	3.8	0.5	0.15	5.3
C4	0.0	11.0	21.6	46.6	6.3	7.2	0.7	0.14	6.6
C5	3.1	8.2	23.7	52.9	6.3	1.4	0.9	0.09	9.2
C6	3.6	7.8	22.9	51.5	6.2	1.3	0.8	0.08	8.9
C7	1.8	7.5	23.5	57.4	7.9	1.3	1.0	0.08	9.5
C8	2.3	5.0	19.4	68.6	5.4	1.2	0.5	0.03	2.2
C9	2.1	6.1	20.2	62.9	6.4	1.2	0.9	0.14	12.1
D	1.8	8.7	20.3	60.5	4.9	1.3	0.9	0.18	8.6
E1	3.3	4.6	17.0	71.1	4.0	1.1	0.6	0.09	5.6
E2	3.1	5.1	17.4	68.1	4.1	1.1	0.7	0.13	5.8
E3	2.7	4.7	17.4	62.4	4.7	1.1	0.7	0.07	5.9
E4	2.6	5.3	18.0	63.5	4.7	1.1	0.7	0.12	5.7

APPENDIX 13: % ELEMENTAL CONCENTRATIONS OF CLAY SAMPLES, DETECTED BY XRF

Results are for unnormalised data.

See Appendix 4 for description of samples.

	Cr	Rb	Sr	Zr
A1	0.035	0.008	0.025	0.033
A2	0.031	0.029	0.025	0.046
A3	0.036	0.010	0.028	0.039
A4	0.053	0.014	0.029	0.041
A5	0.039	0.022	0.026	0.047
A6	0.036	0.015	0.028	0.038
A7	0.033	0.016	0.029	0.039
A8	0.050	0.011	0.029	0.034
A9	0.036	0.009	0.028	0.033
A10	0.053	0.013	0.027	0.047
A11	0.042	0.014	0.027	0.042
A12	0.046	0.013	0.028	0.039
A13	0.066	0.028	0.022	0.042
A14	0.057	0.014	0.027	0.041
B1	0.081	0.008	0.022	0.032
B2	0.058	0.013	0.026	0.041
B3	0.036	0.021	0.027	0.047
B4	0.061	0.011	0.023	0.038
B5	0.048	0.012	0.025	0.046
B6	0.084	0.008	0.022	0.043
B7	0.087	0.011	0.025	0.040
B8	0.090	0.011	0.025	0.044
B9	0.088	0.010	0.026	0.043
C1	0.053	0.011	0.078	0.028
C2	0.005	0.010	0.049	0.024
C3	0.003	0.013	0.067	0.024
C4	0.015	0.012	0.078	0.023
C5	0.027	0.008	0.089	0.025
C6	0.023	0.009	0.010	0.023
C7	0.034	0.008	0.121	0.019
C8	0.027	0.022	0.032	0.034
C9	0.040	0.003	0.048	0.024
D	0.033	0.008	0.025	0.030
E1	0.053	0.013	0.028	0.039
E2	0.062	0.012	0.028	0.040
E3	0.032	0.013	0.027	0.042
E4	0.046	0.013	0.025	0.039

APPENDIX 14: THIN SECTION CATALOGUE

The entries in the catalogue begin with a description of the relative amounts of quartz, mica and opaques in the section (these inclusions were consistently identified in the samples of natural clay), followed by a description of the other inclusions present, beginning with the most frequent. The latter may have been natural to the clay, but where they appear in large amounts, it is most probable that they were added. The results of point counting, which gives a quantitative result for each thin section, can be found in Appendix 16. These should be considered along with the qualitative data, as some of the smaller inclusions such as mica will tend to be under-represented in the point counting.

TH1
Anisotropic matrix of fired clay, with frequent monocrystalline quartz (sub-rounded to angular); frequent mica; and very occasional opaques (rounded).
Occasional sub-rounded sandstone and plagioclase.
Very occasional orthoclase (sub-rounded).

TH2
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries (rounded to angular); and fairly frequent mica.
Occasional plagioclase (sub-angular).
Very occasional sub-rounded sandstone, both sub-arkose and quartzwacke.

TH3
Anisotropic matrix of fired clay, with abundant quartz, mostly monocrystalline, some polycrystalline with sutured boundaries (sub-rounded to angular); occasional mica; and very occasional opaques (rounded).
Occasional plagioclase (sub-rounded).
Very occasional siltstone (sub-rounded) and microcline (sub-angular).

TH4
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (rounded to angular); very occasional mica; and opaques (sub-rounded).
Very occasional plagioclase (sub-rounded to sub-angular), quartzite (sub-rounded) and siltstone (sub-rounded).

TH5
Anisotropic matrix of fired clay, with frequent monocrystalline quartz (round to sub-angular); occasional mica; and very occasional opaques (rounded).
Frequent micaceous siltstone (sub-rounded).
Very occasional plagioclase (sub-rounded to sub-angular).

TH6
Anisotropic matrix of fired clay, with frequent monocrystalline quartz (rounded to sub-angular); occasional mica; and occasional opaques (sub-rounded).
Fairly frequent sub-rounded sub-arkose sandstone, siltstone and mudstone (banded with siltstone).
Very occasional plagioclase (sub-angular).

TH7
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline, occasional polycrystalline with sutured boundaries (rounded to angular); fairly frequent mica; and occasional opaques (rounded).
Fairly frequent plagioclase (sub-rounded to angular) and microcline (sub-rounded to angular).
Occasional siltstone (rounded).

TH8
Anisotropic matrix of fired clay, with abundant quartz, mostly monocrystalline (some showing undulose extinction), some polycrystalline with sutured boundaries (rounded to angular); very occasional mica; and occasional opaques (rounded).
Occasional plagioclase (sub-angular to angular).
Very occasional sub-angular microcline and quartz arenite.

TH9
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (sub-rounded to sub-angular); frequent mica; and occasional opaques (rounded).
Very occasional plagioclase (sub-angular) and mudstone (rounded).

TH10
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline (some showing undulose extinction), some polycrystalline with sutured boundaries (rounded to angular); occasional mica; and occasional opaques (rounded).
Fairly frequent plagioclase (rounded to angular) and micaceous siltstone.
Occasional mudstone with siltstone bands (rounded).
Very occasional microcline (sub-angular to angular) and mudstone (rounded).

TH11
Anisotropic matrix of fired clay with abundant monocrystalline quartz (round to angular); abundant mica; and fairly frequent opaques (subrounded).
Very occasional plagioclase (sub-rounded) and quartz arenite (sub-angular).

TH12
Anisotropic matrix of fired clay with frequent monocrystalline quartz (round to angular); frequent mica; and occasional opaques (round to sub-angular).
Frequent micaceous mudstone (sub-rounded).
Very occasional orthoclase (sub-rounded) and plagioclase (sub-angular).

TH13
Anisotropic matrix of fired clay with abundant monocrystalline and polycrystalline quartz (round to angular), some of the polycrystalline quartz having sutured boundaries, some straight boundaries; very occasional mica; and occasional opaques (rounded).
Fairly frequent plagioclase (sub-angular to angular).
Occasional microcline (sub-rounded to sub-angular).
Very occasional sub-angular lithic arkose sandstone and quartz arenite.

TH14
Anisotropic matrix of fired clay with frequent monocrystalline quartz (sub-rounded to angular); and frequent mica.
Frequent organics.
Occasional plagioclase (sub-angular).

TH15
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (sub-rounded to sub-angular); fairly frequent mica; occasional opaques (sub-rounded).
Occasional shell, and sub-rounded orthoclase, plagioclase and sub-arkose sandstone.
Very occasional sub-rounded microcline and mudstone.

TH16
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (rounded to angular), frequent mica; and occasional opaques (sub-rounded).
Very occasional sub-angular plagioclase and microcline.

TH17
Anisotropic matrix of fired clay with frequent monocrystalline quartz (rounded to sub-angular); frequent mica; and occasional opaques (round).
Occasional plagioclase (round).

Very occasional mudstone (round).

TH18
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, some polycrystalline with straight boundaries (round to angular); fairly frequent mica; occasional opaques (round).
Occasional plagioclase (rounded to angular) and orthoclase (rounded).
Very occasional quartz arenite (round), and micaceous siltstone (sub-rounded).

TH19
Anisotropic matrix of fired clay with anbudant monocrystalline quartz (round to angular); frequent mica; and occasional opaques (round).
Frequent siltstone, some micaceous (rounded to sub-angular).
Occasional plagioclase (sub-rounded).
Very occasional mudstone with siltstone banding (rounded).

TH20
Anisotropic matrix of fired clay with abundant monocrystalline quartz (rounded to angular); fairly frequent mica; and occasional opaques (subrounded).
Fairly frequent orthoclase (sub-rounded) and plagioclase (sub-angular).
Occasional micaceous siltstone (sub-rounded).
Very occasional microcline (sub-angular) and mudstone (sub-rounded).

TH21
Anisotropic matrix of fired clay with frequent quartz (rounded to sub-rounded); and fairly frequent mica.
Very occasional plagioclase (sub-angular).

TH22
Anisotropic matrix of fired clay with abundant quartz, both monocrystalline and polycrystalline with sutured and straight boundaries (round to angular); frequent mica; and very occasional opaques (round).
Occasional plagioclase (sub-angular).
Occasional organics.

TH23
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, very occasional polycrystalline with sutured boundaries (rounded to sub-angular); frequent mica; and fairly frequent opaques (rounded).
The matrix exhibits banding, suggesting that it is a mixture of two clays.
Very occasional plagioclase (sub-rounded) and siltstone (sub-angular).

TH24
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, occasionally polycrystalline with sutured boundaries (sub-rounded to sub-angular); frequent mica; and very occasional opaques (round).
Occasional siltstone (sub-rounded).
Very occasional microcline (sub-angular).
Elongated voids with organics.

TH25
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (round to angular); abundant mica; occasional opaques (sub-rounded).
Occasional siltstone (sub-rounded).
Very occasional plagioclase (rounded to sub-angular), microcline (sub-angular) and sub-arkose sandstone (sub-rounded).

TH26
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to angular); occasional mica; and occasional opaques (sub-rounded).
Frequent plagioclase (sub-rounded to sub-angular).
Occasional orthoclase (sub-rounded to sub-angular), siltstone (sub-rounded) and mudstone (rounded).
Very occasional microcline (sub-angular).

TH27
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to angular); and frequent mica.
Frequent organics.
Occasional plagioclase (angular) and siltstone (sub-angular).

TH28
Anisotropic matrix of fired clay, with abundant quartz (rounded to angular); frequent mica; and occasional opaques (rounded).
Occasional siltstone (sub-rounded).
Very occasional plagioclase (angular), microcline (angular) and mudstone (sub-angular).

TH29
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some with undulose extinction (rounded to sub-angular); fairly frequent mica; and occasional opaques (sub-rounded).
Fairly frequent micaceous siltstone (sub-rounded).
Occasional plagioclase (sub-angular), microcline (sub-rounded), orthoclase (sub-rounded) and mudstone (rounded).

TH30
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (rounded to sub-angular); occasional mica; and occasional opaques (sub-rounded).
Occasional ortnoclase (sub-rounded), plagioclase (sub-angular) and microcline (sub-angular).
Very occasional siltstone (sub-angular).

TH31
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, but occasionally polycrystalline with straight boundaries (round to sub-angular); occasional mica; and occasional opaques (rounded).
Frequent micaceous mudstone (sub-rounded).
Occasional plagioclase (sub-rounded).
Very occasional microcline (sub-rounded).

TH32
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to sub-angular); fairly frequent mica; and very occasional opaques (rounded).
Occasional plagioclase (sub-angular), mudstone (sub-rounded), siltstone (sub-angular) and sub-arkose sandstone (sub-rounded).
Very occasional microcline (sub-angular).

TH33
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (rounded to angular); fairly frequent mica; and occasional opaques (rounded).
Frequent siltstone (sub-angular).
Fairly frequent plagioclase (sub-angular) and mudstone (sub-rounded).
Occasional microcline (sub-angular) and orthoclase (sub-rounded).

TH34
Anisotropic matrix of fired clay, with abundant monocrystalline quartz, some showing undulose extinction (round to angular); occasional mica; and occasional opaques.
Fairly frequent plagioclase (sub-angular) and siltstone (sub-rounded).
Occasional orthoclase (sub-rounded) and mudstone (sub-rounded).

TH35
Anisotropic matrix of fired clay (partly vitrified) with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (sub-rounded to angular); occasional mica; and occasional opaques (sub-rounded).

Occasional sub-rounded plagioclase, mudstone, calcite and siltstone.

TH36
Anisotropic matrix of fired clay with abundant monocrystalline quartz, some showing undulose extinction (sub-rounded to sub-angular); frequent mica; and occasional opaques (sub-angular).
Frequent organics.
Occasional mudstone (sub-rounded), siltstone (rounded) and shell.
Very occasional quartz arenite (sub-rounded).

TH37
Anisotropic matrix of fired clay with abundant monocrystalline quartz (rounded to angular); occasional mica; and occasional opaques (sub-rounded).
Occasional plagioclase (sub-angular), microcline (sub-angular), orthoclase (sub-rounded) and mudstone (sub-angular).
Very occasional sub-rounded siltstone and quartz arenite.

TH38
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (round to angular); frequent mica; and occasional opaques (sub-rounded).
Fairly frequent plagioclase (sub-rounded).
Occasional sub-rounded microcline and siltstone.
Very occasional mudstone (sub-rounded).

TH39
Anisotropic matrix of fired clay with frequent monocrystalline quartz (sub-rounded to sub-angular); occasional mica; and occasional opaques (sub-rounded).
Frequent micaceous siltstone (sub-rounded).
Occasional plagioclase (sub-angular), microcline (sub-angular) and mudstone (sub-rounded).

TH40
Anisotropic matrix of fired clay with abundant monocrystalline quartz, some with undulose extinction (rounded to sub-angular); occasional mica; and occasional opaques (rounded).
Frequent siltstone (sub-angular).
Fairly frequent plagioclase (sub-angular).
Occasional microcline (sub-angular), orthoclase (sub-rounded) and mudstone (sub-rounded).

TH41
Anisotropic matrix of fired clay with abundant quartz, both monocrystalline and polycrystalline with sutured boundaries (rounded to angular); occasional mica; and occasional opaques (sub-rounded).
Frequent plagioclase (sub-rounded).

Fairly frequent siltstone, some micaceous (sub-angular).
Occasional microcline (sub-rounded to sub-angular), orthoclase (sub-rounded) and sub-arkose sandstone (sub-angular).

TH42
Anisotropic martix of fired clay with occasional monocrystalline quartz, some exhibiting undulose extinction (rounded to sub-rounded); occasional mica; and occasional opaques (sub-rounded).
Occasional sub-rounded plagioclase and microcline.

TH43
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (rounded to sub-angular); frequent mica and occasional opaques (round).
Frequent micaceous siltstone, some banded with mudstone (angular).
Occasional plagioclase (sub-rounded), microcline (sub-angular), orthoclase (sub-rounded), sub-arkose sandstone (sub-angular) and quartzwacke (sub-angular).

TH44
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries; frequent mica; and fairly frequent opaques (round).
Frequent mudstone, mostly micaceous (sub-angular).
Occasional micaceous siltstone (sub-angular) and plagioclase (angular).
Very occasional microcline (sub-angular) and sandstone - quartzwacke (sub-angular).

TH45
Anisotropic matrix of fired clay with abundant quartz, mainly polycrystalline with sutured boundaries, some monocrystalline and exhibiting undulose extinction (sub-rounded to sub-angular); occasional mica; and fairly frequent opaques (rounded).
Frequent mudstone (sub-angular).
Fairly frequent siltstone (sub-angular).
Occasional plagioclase (sub-angular) and clay pellets (rounded).
Very occasional sandstone - quartzwacke (sub-angular).

TH46
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (sub-rounded to sub-angular); frequent mica; and occasional opaques (rounded).
Frequent mudstone, some with siltstone bands (sub-angular).

Fairly frequent plagioclase (sub-angular).
Occasional micaceous siltstone (sub-angular) and sub-arkose sandstone (sub-angular).
Very occasional shell.

TH47
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some showing undulose extinction, some polycrystalline with straight boundaries (rounded to angular); abundant mica; fairly frequent opaques (rounded).
Occasional sandstone - quartz arenite (rounded) and siltstone (sub-rounded).
Very occasional shell.

TH48
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries (sub-rounded to sub-angular); abundant mica; and frequent opaques (rounded).
Fairly frequent plagioclase (sub-angular).
Occasional siltstone with mica (sub-rounded) and microcline (sub-angular).
Very occasional sub-arkose sandstone (sub-rounded).

TH49
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries (round to sub-angular); abundant mica; and occasional opaques (rounded).
Fairly frequent organics.
Occasional plagioclase (sub-angular).

TH50
Anisotropic matrix of fired clay with abundant monocrystalline quartz (rounded to sub-angular); frequent mica; and occasional opaques (sub-rounded).
Frequent calcite, much appearing as calcareous sandstone (sub-rounded).
Fairly frequent siltstone, some micaceous (rounded) and mudstone (rounded).
Occasional plagioclase (sub-angular).
Very occasional microcline (sub-angular) and shell.

TH51
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some with undulose extinction (rounded to sub-angular); frequent mica; and very occasional opaques (round).
Fairly frequent organics.
Very occasional plagioclase (sub-rounded) and quartz arenite (sub-rounded).

TH52
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, but some polycrystalline with straight and sutured boundaries (rounded to sub-angular); fairly frequent mica; and occasional opaques (sub-rounded).
Frequent mudstone (sub-rounded), siltstone (sub-rounded) and sandstone - mainly sub-arkose (sub-rounded).
Fairly frequent sub-angular plagioclase and microcline.
Elongated voids.

TH53
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (sub-rounded to sub-angular); occasional mica; and fairly frequent opaques (sub-rounded).
Frequent schistose mudstone, some grading to siltstone (sub-angular).
Occasional sub-rounded plagioclase and microcline.
Very occasional sub-angular micaceous siltstone and sub-arkose sandstone.

TH54
Anisotropic matrix of tired clay with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (sub-rounded to angular); abundant mica; and occasional opaques (rounded).
Frequent micaceous siltstone (sub-rounded).
Occasional plagioclase (angular), sandstone - quartzwacke (sub-angular) and micaceous mudstone, some grading to siltstone (sub-rounded).

TH55
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (sub-rounded to sub-angular); occasional mica; and occasional opaques (rounded).
Frequent micaceous mudstone, some grading to siltstone (sub-angular), and siltstone (sub-angular).
Occasional plagioclase (sub-rounded), microcline (sub-rounded) and sub-arkose sandstone (sub-angular).

TH56
Anisotropic matrix of fired clay with frequent monocrystalline quartz (sub-rounded to angular); and frequent mica.
Frequent mudstone, some grading to siltstone (sub-angular) and sub-arkose sandstone (sub-angular).
Occasional plagioclase (suo-angular).

TH57
Anisotropic matrix of fired clay, with abundant

quartz, mainly monocrystalline, some with undulose extinction; and fairly frequent mica.
Frequent micaceous siltstone (sub-angular) and mudstone (sub-angular).
Fairly frequent mudstone banded with micaceous siltstone (sub-angular).
Occasional sandstone - quartz arenite (sub-angular).

TH58
Anisotropic matrix of fired clay, with abundant quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (round to angular); frequent mica; and occasional opaques (round).
Frequent micaceous mudstone, some with coarser quartz inclusions (sub-rounded to angular).
Occasional sub-rounded plagioclase and sub-arkose sandstone.

TH59
Anisotropic matrix of fired clay, with fairly frequent monocrystalline quartz (rounded to sub-angular); occasional mica; and occasional opaques (rounded).
Fairly frequent micaceous sandstone (sub-angular).
Occasional plagioclase (sub-angular), orthoclase (sub-rounded) and mudstone (sub-rounded).
Elongated voids.

TH60
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to angular); abundant mica; and occasional opaques (sub-rounded).
Occasional plagioclase (sub-angular) and micaceous siltstone (sub-rounded).

TH61
Anisotropic matrix of fired clay with abundant quartz, some monocrystalline, but frequently polycrystalline with sutured boundaries (round to angular); occasional mica; and very occasional opaques (sub-angular).
Occasional plagioclase (sub-angular), mudstone (rounded) and sandstone - quartzwacke (angular).

TH62
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to sub-angular); frequent mica; and occasional opaques (sub-rounded).
Frequent micaceous siltstone/mudstone (sub-rounded).
Occasional sub-arkose sandstone (sub-rounded).
Very occasional plagioclase (sub-angular).

TH63
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, but some polycrystalline with sutured boundaries (rounded to angular); frequent mica; and occasional opaques (rounded).

Frequent quartz arenite (sub-angular) and micaceous siltstone/mudstone (sub-angular).
Occasional plagioclase (sub-angular).

TH64
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (rounded to angular); and occasional mica.
Fairly frequent organics.
Occasional plagioclase (sub-rounded).
Very occasional orthoclase (rounded).

TH65
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to sub-angular); abundant mica; and occasional opaques (rounded).
Occasional siltstone (sub-rounded).
Very occasional plagioclase (rounded to sub-angular).
Very occasional sandstone - quartzwacke (sub-angular).

TH66
Anisotropic matrix of fired clay with abundant quartz, mostly monocrystalline, some polycrystalline with sutured boundaries (rounded to angular); and frequent mica.
Elongated voids.

TH67
Anisotropic matrix of fired clay with abundant quartz, mostly polycrystalline with sutured boundaries, some with straight boundaries, some monocrystalline quartz showing undulose extinction (rounded to angular); frequent mica; and occasional opaques.
Occasional plagioclase (sub-angular).
Very occasional quartz arenite (rounded).

TH68
Anisotropic matrix of fired clay with fairly frequent monocrystalline quartz (sub-round to sub-angular); fairly frequent mica; and fairly frequent opaques (rounded).
Occasional organics.

TH69
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction) and some polycrystalline with sutured boundaries (rounded to sub-angular); fairly frequent mica; and occasional opaques (rounded).
Occasional sub-angular plagioclase, siltstone and orthoclase.
Very occasional sub-angular microcline and sandstone - quartz arenite.

TH70
Anisotripic matrix of fired clay with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries (rounded to angular); fairly frequent mica; and occasional opaques (round).
Fairly frequent plagioclase (sub-angular).
Occasional shell, orthoclase (sub-rounded) and siltstone (rounded to sub-angular).
Burnt-out organics.

TH71
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some with undulose extinction), some polycrystalline with sutured boundaries (sub-rounded to angular); frequent mica; and very occasional opaques (rounded).
Frequent sub-angular sandstone - sub-arkose (some micaceous), siltstone (some micaceous) and mudstone.
Occasional plagioclase (sub-angular).
Very occasional grog (sub-angular).

TH72
Anisotropic matrix of fired clay with abundant monocrystalline quartz (round to angular).
Frequent shell.
Fairly frequent opaques (sub-angular).
Occasional plagioclase (sub-angular).
Very occasional rounded calcite and mudstone.

TH73
Anisotropic matrix of fired clay with abundant quartz, mostly polycrystalline with sutured boundaries, some monocrystalline and exhibiting undulose extinction (sub-angular to angular); abundant mica; and frequent opaques (rounded).
Frequent plagioclase (sub-angular to angular).
Occasional calcite (rounded) and shell.
Very occasional quartz arenite (sub-rounded) and siltstone (sub-angular).

TH74
Anisotropic matrix of fired clay with frequent monocrystalline quartz (sub-round to sub-angular); with frequent mica; and fairly frequent opaques - possibly clay pellets - (rounded).
Frequent micaceous mudstone, some with siltstone banding (sub-angular).
Fairly frequent micaceous siltstone (sub-angular).
Occasional calcite (rounded).
Very occasional plagioclase (angular).

TH75
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some polycrystalline with su-

tured boundaries (sub-rounded to sub-angular); and frequent mica.
Occasional sub-angular plagioclase, microcline and sandstone - quartz arenite.
Very occasional shell and siltstone (sub-angular).

TH76
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some exhibiting undulose extinction), some polycrystalline with sutured boundaries; frequent mica; frequent opaques (rounded).
Occasional plagioclase (sub-angular to angular).
Very occasional sub-angular sandstone, orthoclase and microcline.

TH77
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline, but some polycrystalline with sutured boundaries (rounded to sub-angular); fairly frequent mica; frequent opaques (sub-rounded).
Frequent sub arkose sandstone (sub-rounded to angular) and siltstone - some micaceous (sub-rounded to angular).
Occasional banded mudstone/siltstone (sub-rounded to angular).
Very occasional rounded orthoclase and microcline.

TH78
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some showing undulose extinction), some polycrystalline with sutured boundaries (sub-rounded to angular); and occasional mica.
Fairly frequent siltstone, some micaceous (sub-angular) and mudstone (rounded to sub-angular).
Occasional angular microcline and plagioclase.
Very occasional orthoclase (rounded).

TH79
Anisotropic matrix of fired clay with abundant monocrystalline quartz (rounded to sub-angular); fairly frequent mica; and frequent opaques (rounded).
Frequent micaceous mudstone, some banded with siltstone (sub-angular).
Occasional shell, grog and sub-angular quartz-arenite and siltstone.
Very occasional calcite (rounded).

TH80
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rouned to sub-angular); abundant mica; and occasional opaques (rounded).
Very occasional shell, siltstone (sub-rounded), plagioclase (sub-angular) and microcline (sub-angular).

TH81
Anisotropic matrix of fired clay with abundant monocrystalline quartz, some with undulose extinction (sub-rounded to sub-angular); frequent mica; and occasional opaques (rounded).
Very occasional shell, calcite (rounded), siltstone (sub-rounded) and plagioclase (sub-rounded to sub-angular).

TH82
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline (some with undulose extinction), some polycrystalline with sutured boundaries (sub-rounded to angular); and fairly frequent mica.
Very occasional siltstone (sub-angular).

TH83
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline (some with undulose extinction), some polycrystalline with sutured boundaries (rounded to sub-angular); occasional mica; and occasional opaques (rounded).
Occasional plargioclase (rounded).

TH84
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to sub-angular); frequent mica; and very occasional opaques (rounded).
Frequent organics.
Occasional plagioclase (sub-angular).

TH85
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some with undulose extinction), some polycrystalline with straight and sutured boundaries (sub-rounded to sub-angular); fairly frequent mica; frequent opaques (rounded).
Fairly frequent shell and plagioclase (sub-rounded to sub-angular).
Occasional microcline (sub-rounded to sub-angular), sandstone (sub-angular) and siltstone (sub-angular).

TH86
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (rounded to sub-angular); fairly frequent mica; occasional opaques (rounded).
Occasional sub-rounded plagioclase and microcline.
Frequent organics and shell.

TH87
Anisotropic matrix of fired clay with abundant monocrystalline quartz, some exhibiting undulose extinction (rounded to angular); fairly frequent mica; and occasional opaques (rounded).

Frequent sub-angular siltstone.
Occasional sub-angular plagioclase, microcline and mudstone.
Very occasional sandstone (sub-angular).

TH88
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some with undulose extinction), some polycrystalline with sutured boundaries (rounded to angular); fairly frequent mica; and occasional opaques (rounded).
Occasional sub-angular plagioclase and microcline.
Very occasional sub-rounded siltstone and quartz arenite.

TH89
Anisotropic matrix of fired clay with frequent quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (sub-rounded to sub-angular); fairly frequent mica; and occasional opaques (sub-rounded).
Occasional sub-rounded plagioclase, microcline, mudstone and siltstone.

TH90
Anisotropic matrix of fired clay with abundant monocrystalline quartz, some exhibiting undulose extinction (sub-rounded to angular); frequent mica; and occasional opaques (rounded).
Fairly frequent sub-rounded mudstone (some with siltstone bands) and siltstone.
Occasional plagioclase (sub-angular).
Very occasional quartz arenite (sub-rounded).

TH91
Anisotropic matrix of fired clay with abundant monocrystalline quartz (sub-rounded to sub-angular); abundant mica; and occasional opaques (sub-rounded).
Occasional plagioclase (sub-angular) and siltstone (sub-rounded).
Very occasional mudstone (rounded).

TH92
Anisotripic matrix of fired clay with occasional monocrystalline quartz (sub-rounded); occasional mica; and occasional opaques (rounded).
Very occasional mudstone (rounded).

TH93
Anisotropic matrix of fired clay with occasional monocrystalline quartz (sub-angular); occasional mica; and occasional opaques (sub-rounded).

TH94
Anisotropic matrix of fired clay with occasional monocrystalline quartz (sub-rounded to sub-angular);

occasional mica; and occasional opaques (rounded).
Very occasional quartz arenite (sub-rounded).

TH95
Anisotropic matrix of fired clay with occasional monocrystalline quartz (sub-rounded to sub-angular); occasional mica; and frequent opaques (sub-angular).
Occasional siltstone (in bands within the clay).

TH96
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline, occasionally polycrystalline with sutured boundaries (sub-rounded to sub-angular); abundant mica; and occasional opaques (sub-rounded).
Very occasional plagioclase (sub-angular).

TH97
Anisotropic matrix of fired clay with frequent monocrystalline quartz (rounded to sub-angular); occasional mica; and frequent opaques (rounded).
Frequent sub-rounded mudstone and siltstone.

TH98
Anisotropic matrix of fired clay with frequent quartz, both monocrystalline and polycrystalline with sutured boundaries (sub-rounded to angular); and occasional opaques (rounded).
Very occasional microcline (sub-angular).

TH99
Anisotripic matrix of fired clay with abundant quartz, mainly monocrystalline, some polycrystalline with sutured boundaries (round to sub-angular); occasional mica; and very occasional opaques (rounded).
Occasional ortholcase (rounded) and siltstone (sub-rounded).
Very occasional plagioclase (sub-rounded).

TH100
Anisotropic matrix of fired clay with abundant quartz, mainly monocrystalline (some showing undulose extinction), some polycrystalline with sutured boundaries (sub-rounded to sub-angular); abundant mica; and occasional opaques (rounded).
Occasional plagioclase (rounded to sub-rounded).
Very occasional siltstone (in bands within clay).

APPENDIX 15: QUALITATIVE ('DESCRIPTIVE') DATA FOR THIN SECTIONS - POTTERY

QU = quartz
MI = mica
OP = opaques
PL = plagioclase
OR = orthoclase
MR = microcline
SA = sandstone
SI = siltstone
MU = mudstone
CA = calcite
SH = shell
OR = organics

0 = absent
1 = very occasional
2 = occasional
3 = fairly frequent
4 = frequent
5 = abundant

	QU	MI	OP	PL	OR	MR	SA	SI	MU	CA	SH	OR
TH1	4	4	1	2	1	0	2	0	0	0	0	0
TH2	5	4	0	2	0	0	1	0	0	0	0	0
TH3	5	2	1	2	0	1	0	1	0	0	0	0
TH4	5	1	1	1	0	0	1	2	0	0	0	0
TH5	4	2	1	1	0	0	0	4	0	0	0	0
TH6	4	2	2	1	0	0	3	3	3	0	0	0
TH7	5	3	2	3	0	3	0	2	0	0	0	0
TH8	5	1	1	2	0	1	1	0	0	0	0	0
TH9	4	4	2	1	0	0	0	0	1	0	0	0
TH10	5	2	2	3	0	1	2	3	2	0	0	0
TH11	5	5	3	1	0	0	1	0	0	0	0	2
TH12	4	4	2	1	1	0	0	0	4	0	0	0
TH13	5	1	2	3	1	2	1	0	0	0	0	0
TH14	4	4	1	2	1	0	1	0	0	0	0	4
TH15	5	3	2	2	2	0	2	0	1	0	0	0
TH16	5	4	2	1	0	1	0	0	0	0	0	0
TH17	4	4	2	2	0	0	0	0	1	0	0	0
TH18	5	3	2	2	2	0	1	1	0	0	0	0
TH19	5	4	2	2	0	0	0	4	1	0	0	0
TH20	5	3	2	3	3	1	0	2	1	0	0	0
TH21	4	3	0	1	0	0	0	0	0	0	0	0
TH22	5	4	1	2	0	0	0	0	0	0	0	2
TH23	5	4	3	1	0	0	0	1	0	0	0	0
TH24	5	4	1	0	0	1	0	2	0	0	0	2
TH25	5	5	2	1	0	1	1	2	0	0	0	0
TH26	5	2	2	4	2	1	0	2	2	0	0	0
TH27	5	4	0	2	0	0	0	2	0	0	0	4
TH28	5	4	2	1	0	0	0	2	1	0	0	0
TH29	5	3	2	2	2	1	2	3	2	0	0	0
TH30	5	2	2	2	2	2	0	1	0	0	0	0
TH31	5	2	2	1	0	1	0	0	4	0	0	0
TH32	5	3	1	2	0	1	2	2	2	0	0	0
TH33	5	3	2	3	2	2	0	4	3	0	0	0

	QU	MI	OP	PL	OR	MR	SA	SI	MU	CA	SH	OR
TH34	5	2	2	3	2	0	0	3	2	0	0	0
TH35	5	2	2	2	0	1	0	2	2	2	0	0
TH36	5	4	2	2	0	2	1	2	0	0	2	4
TH37	5	2	2	2	2	2	1	1	2	0	0	0
TH38	5	4	2	3	0	2	0	2	1	0	0	0
TH39	4	2	2	2	0	2	0	4	2	0	0	0
TH40	5	2	2	3	2	2	0	4	2	0	0	0
TH41	5	2	2	4	2	2	2	3	2	0	0	0
TH42	2	2	2	2	0	2	0	0	0	0	0	0
TH43	5	4	2	2	2	2	2	4	0	0	0	0
TH44	4	3	3	2	0	1	1	2	4	0	0	0
TH45	5	2	3	2	0	0	1	3	4	0	0	0
TH46	5	4	2	3	0	0	2	2	4	0	0	0
TH47	5	5	3	0	0	2	2	2	0	0	1	0
TH48	5	5	4	3	0	2	1	2	0	0	0	0
TH49	5	5	2	2	0	0	0	0	0	0	0	3
TH50	5	4	2	2	0	1	0	3	3	4	1	0
TH51	5	4	1	1	0	0	1	0	0	0	0	3
TH52	5	3	2	3	0	3	4	4	4	0	0	0
TH53	5	2	3	2	0	2	1	1	4	0	0	0
TH54	5	5	2	2	0	0	2	4	2	0	0	0
TH55	5	2	2	2	0	2	2	4	4	0	0	0
TH56	4	4	2	0	0	0	4	0	4	0	0	0
TH57	5	3	0	1	0	1	2	4	4	0	0	0
TH58	5	4	2	2	0	0	2	0	4	0	0	0
TH59	3	2	2	2	2	0	0	3	2	0	0	0
TH60	5	5	2	2	0	0	0	2	0	0	0	0
TH61	5	2	1	2	0	0	0	2	2	0	0	0
TH62	5	4	2	1	0	0	2	4	0	0	0	0
TH63	5	4	2	2	0	0	4	4	0	0	0	0
TH64	5	2	0	2	1	0	0	0	0	0	0	3
TH65	5	5	2	1	0	0	1	2	0	0	0	0
TH66	5	4	0	0	0	0	0	0	0	0	0	0
TH67	5	4	2	2	0	0	1	0	0	1	0	0
TH68	3	3	3	0	0	0	0	0	0	0	0	2
TH69	5	3	2	2	2	1	1	2	0	0	0	0
TH70	5	3	2	3	2	0	0	2	0	0	2	0
TH71	5	4	1	2	0	0	3	3	3	0	0	0
TH72	5	0	3	2	0	0	0	0	1	1	3	0
TH73	5	5	4	4	0	0	0	1	0	0	2	0
TH74	4	4	3	1	0	0	0	3	4	2	0	0
TH75	5	4	0	2	0	2	2	1	0	0	1	0
TH76	5	4	4	2	1	1	1	0	0	0	0	0
TH77	4	3	4	0	1	1	4	4	2	0	0	0
TH78	5	2	0	2	1	2	0	3	3	0	0	0
TH79	5	3	3	2	0	0	2	2	4	1	2	0
TH80	5	5	2	1	0	1	0	1	0	0	1	0
TH81	5	5	2	1	0	0	0	1	0	1	1	0
TH82	5	3	0	0	0	0	0	2	0	0	0	0
TH83	4	2	2	2	0	0	0	0	0	0	0	0
TH84	5	4	1	2	0	0	0	0	0	0	0	4
TH85	5	3	4	3	0	2	2	2	0	0	0	0
TH86	5	3	3	3	0	3	0	0	0	0	4	4

APPENDIX 16: THIN SECTION POINT COUNTING DATA - POTTERY

MA = matrix
QU = quartz
MI = mica
OP = opaques
PL = plagioclase
OR = orthoclase
MR = microcline
SA = sandstone
SI = siltstone
MU = mudstone
CA = calcite
SH = shell

NB: Organic count included in matrix count due to difficulties in distinguishing organics in well-fired examples.

	MA	QU	MI	OP	PL	OR	MR	SA	SI	MU	CA	SH
TH1	186	52	2	2	1	2	0	5	0	0	0	0
TH2	145	96	3	0	1	0	0	5	0	0	0	0
TH3	166	68	7	5	2	0	0	2	0	0	0	0
TH4	159	59	4	2	1	0	0	25	0	0	0	0
TH5	167	51	5	2	0	0	0	0	25	0	0	0
TH6	206	12	7	1	0	0	0	13	0	11	0	0
TH7	133	103	7	1	1	0	1	4	0	0	0	0
TH8	166	69	0	3	1	0	1	10	0	0	0	0
TH9	197	15	23	5	1	0	0	0	0	9	0	0
TH10	163	53	4	1	3	0	4	6	5	11	0	0
TH11	166	36	43	5	0	0	0	0	0	0	0	0
TH12	174	26	25	8	0	0	0	0	0	17	0	0
TH13	138	94	4	2	1	4	0	7	0	0	0	0
TH14	207	34	4	1	0	3	0	1	0	0	0	0
TH15	151	84	9	1	1	4	0	0	0	0	0	0
TH16	180	48	18	3	1	0	0	0	0	0	0	0
TH17	201	24	15	2	3	0	0	0	0	5	0	0
TH18	169	63	3	2	7	0	0	6	0	0	0	0
TH19	192	33	10	1	0	0	0	0	14	0	0	0
TH20	152	77	0	3	4	6	1	0	7	0	0	0
TH21	221	21	8	0	0	0	0	0	0	0	0	0
TH22	210	29	7	4	0	0	0	0	0	0	0	0
TH23	205	32	6	1	1	0	0	0	5	0	0	0
TH24	218	22	7	1	0	0	2	0	0	0	0	0
TH25	172	50	11	5	4	0	0	8	0	0	0	0
TH26	130	107	3	0	0	1	2	0	1	6	0	0
TH27	188	46	10	0	0	0	0	0	6	0	0	0
TH28	216	14	5	7	0	0	0	0	8	0	0	0
TH29	139	65	0	0	1	2	1	0	33	9	0	0
TH30	204	41	3	0	1	0	1	0	0	0	0	0
TH31	133	54	4	5	1	0	0	0	0	53	0	0
TH32	110	56	3	2	3	0	2	2	71	1	0	0
TH33	143	66	1	0	3	1	2	0	26	8	0	0
TH34	137	58	0	0	4	1	0	0	43	7	0	0
TH35	136	74	1	0	3	0	1	0	16	16	3	0

	MA	QU	MI	OP	PL	OR	MR	SA	SI	MU	CA	SH
TH36	166	73	3	0	1	0	0	1	0	0	0	6
TH37	99	128	4	1	0	3	1	1	4	9	0	0
TH38	135	85	6	1	0	0	1	0	20	2	0	0
TH39	126	17	3	0	0	0	0	0	100	4	0	0
TH40	109	61	2	0	1	2	0	0	64	11	0	0
TH41	137	53	0	1	3	2	2	3	49	0	0	0
TH42	227	17	2	1	2	0	1	0	0	0	0	0
TH43	94	49	1	0	2	3	0	9	92	0	0	0
TH44	90	30	3	3	1	0	2	0	28	93	0	0
TH45	141	27	2	5	0	0	0	2	27	37	0	0
TH46	108	81	0	3	2	0	0	11	9	36	0	0
TH47	170	57	10	3	0	0	0	1	6	0	0	3
TH48	160	67	6	7	1	0	0	9	0	0	0	0
TH49	163	68	14	4	1	0	0	0	0	0	0	0
TH50	126	52	0	1	0	0	0	0	40	20	6	5
TH51	208	31	8	2	1	0	0	0	0	0	0	0
TH52	101	60	7	0	0	0	0	78	2	2	0	0
TH53	126	56	2	1	1	0	0	22	25	17	0	0
TH54	75	51	4	1	3	0	0	5	69	42	0	0
TH55	87	42	4	3	0	0	0	8	30	76	0	0
TH56	91	11	3	0	2	0	0	83	0	60	0	0
TH57	115	36	2	0	0	0	0	1	59	37	0	0
TH58	99	40	3	2	0	0	0	15	0	91	0	0
TH59	188	4	1	3	1	1	0	0	52	0	0	0
TH60	199	15	21	6	0	0	0	0	9	0	0	0
TH61	127	76	1	0	0	0	0	24	0	22	0	0
TH62	139	23	10	2	2	0	0	2	72	0	0	0
TH63	95	38	2	2	2	0	0	32	79	0	0	0
TH64	175	63	11	0	1	0	0	0	0	0	0	0
TH65	188	47	8	5	0	0	0	2	0	0	0	0
TH66	203	43	4	0	0	0	0	0	0	0	0	0
TH67	173	71	3	0	1	0	0	1	0	0	1	0
TH68	232	6	2	2	0	0	0	0	0	0	0	0
TH69	117	98	16	0	3	0	2	5	9	0	0	0
TH70	157	75	4	1	0	0	0	0	5	0	0	8
TH71	105	64	12	2	4	0	0	8	44	11	0	0
TH72	171	43	0	3	1	0	0	0	2	0	2	28
TH73	159	74	9	1	5	0	0	0	2	0	0	0
TH74	135	18	6	15	1	0	0	0	16	59	0	0
TH75	178	57	11	0	1	0	1	1	0	0	0	1
TH76	215	24	5	3	1	0	2	0	0	0	0	0
TH77	138	27	4	6	0	2	0	26	36	11	0	0
TH78	145	80	1	0	3	3	0	0	15	3	0	0
TH79	100	22	3	1	0	0	0	4	0	117	0	3
TH80	184	53	7	3	1	0	1	0	0	0	0	1
TH81	192	55	0	1	0	0	0	0	0	0	1	1
TH82	196	47	6	0	0	0	0	0	1	0	0	0
TH83	205	44	0	0	1	0	0	0	0	0	0	0
TH84	164	73	11	1	1	0	0	0	0	0	0	0
TH85	114	116	2	9	5	0	0	0	4	0	0	0
TH86	155	81	6	0	0	0	0	0	0	0	0	8

APPENDIX 17: DATA FROM THIN SECTION GRAIN SIZE MEASURING - QUARTZ ONLY - POTTERY

Unit of measurement = 1 division on eyepiece
10 divisions = 0.05 mm approx.

	6-10	≤15	≤20	≤25	≤30	≤35	≤40	≤45	≤50	≤99	≥100
TH1	6	10	10	12	3	2	1	2	1	3	0
TH2	11	10	5	9	4	0	1	2	4	4	0
TH3	15	3	6	5	6	4	5	1	2	2	1
TH4	11	10	10	5	1	2	4	1	3	3	0
TH5	10	9	9	4	6	3	0	1	2	5	1
TH6	22	17	8	1	2	0	0	0	0	0	0
TH7	6	6	8	5	8	2	4	1	3	6	1
TH8	12	11	6	6	6	1	2	2	2	1	1
TH9	28	12	4	4	0	0	1	0	1	0	0
TH10	3	4	10	11	5	2	6	1	1	7	0
TH11	18	16	6	1	3	1	2	1	1	1	0
TH12	30	11	6	1	0	0	2	0	0	0	0
TH13	8	8	7	8	8	3	3	1	2	1	1
TH14	21	13	4	8	2	1	1	0	0	0	0
TH15	2	12	13	7	2	2	4	1	3	4	0
TH16	23	8	6	2	4	1	4	1	0	1	0
TH17	32	9	5	1	3	0	0	0	0	0	0
TH18	11	7	8	6	4	5	5	3	1	0	0
TH19	22	17	9	2	0	0	0	0	0	0	0
TH20	8	9	7	5	9	2	3	0	2	3	2
TH21	29	7	4	5	1	1	2	0	0	1	0
TH22	28	12	4	3	3	0	0	0	0	0	0
TH23	17	14	6	2	3	1	1	0	3	3	0
TH24	22	15	3	2	0	0	3	0	1	4	0
TH25	17	8	10	6	3	5	0	1	0	0	0
TH26	8	7	8	4	4	5	5	2	3	4	0
TH27	23	16	8	3	0	0	0	0	0	0	0
TH28	32	9	5	1	2	0	1	0	0	0	0
TH29	13	9	8	5	7	0	3	3	1	1	0
TH30	16	10	8	1	6	2	1	0	3	3	0
TH31	16	12	9	3	3	1	3	0	1	2	0
TH32	6	9	11	3	8	1	2	3	3	3	1
TH33	17	12	7	1	5	1	1	0	3	3	0
TH34	10	6	16	5	7	0	2	0	1	2	1
TH35	10	10	7	4	5	4	2	1	3	3	1
TH36	20	13	8	4	0	1	1	2	0	1	0
TH37	7	8	13	3	4	5	4	1	0	3	2
TH38	13	8	13	2	3	4	3	1	2	1	0
TH39	12	16	13	3	2	2	1	0	0	1	0
TH40	8	9	13	3	5	5	2	0	2	2	1
TH41	12	12	8	3	6	2	2	0	2	2	1
TH42	27	14	6	2	1	0	0	0	0	0	0
TH43	11	10	10	5	4	1	2	1	3	2	1

	6-10	≤15	≤20	≤25	≤30	≤35	≤40	≤45	≤50	≤99	≥100
TH44	23	13	6	3	1	2	1	0	0	1	0
TH45	13	17	4	3	6	3	1	1	0	2	0
TH46	8	8	10	9	6	3	1	4	0	1	0
TH47	20	11	5	4	5	1	2	1	1	0	0
TH48	20	14	7	2	3	1	1	0	1	1	0
TH49	28	12	6	1	2	0	0	1	0	0	0
TH50	3	5	9	7	6	3	4	4	6	2	1
TH51	27	11	2	2	2	2	2	0	0	2	0
TH52	9	9	9	4	6	2	4	1	1	5	0
TH53	17	10	11	3	4	2	2	1	0	0	0
TH54	12	13	9	6	2	2	1	1	3	1	0
TH55	15	11	9	5	2	4	1	0	3	0	0
TH56	11	16	15	4	2	0	2	0	0	0	0
TH57	13	15	8	5	2	3	3	0	0	1	0
TH58	10	12	9	7	6	1	2	0	0	2	1
TH59	22	15	4	2	3	1	1	1	0	1	0
TH60	36	10	3	0	1	0	0	0	0	0	0
TH61	10	10	10	5	4	2	2	4	2	1	0
TH62	19	15	7	3	4	1	1	0	0	0	0
TH63	16	13	8	5	2	1	3	0	0	1	1
TH64	22	17	5	5	1	0	0	0	0	0	0
TH65	28	10	8	1	1	1	0	0	1	0	0
TH66	24	16	4	1	2	1	0	0	1	1	0
TH67	22	10	7	1	4	2	1	0	2	1	0
TH68	30	12	3	1	0	2	1	0	1	0	0
TH69	15	10	4	3	7	4	2	1	1	3	0
TH70	12	18	5	5	4	0	1	0	1	4	0
TH71	12	10	9	8	2	4	1	4	0	0	0
TH72	14	12	8	7	3	3	2	1	0	0	0
TH73	20	8	5	5	4	4	1	2	1	0	0
TH74	11	10	6	8	7	4	3	0	1	0	0
TH75	18	12	6	1	4	2	4	2	1	0	0
TH76	27	8	4	0	2	2	1	2	2	2	0
TH77	12	13	9	5	3	5	0	1	1	1	0
TH78	6	10	11	12	1	2	3	2	0	3	0
TH79	15	9	13	4	5	0	1	0	2	1	0
TH80	23	10	5	4	3	3	0	0	2	0	0
TH81	17	11	7	2	2	5	2	2	2	0	0
TH82	12	14	6	3	4	3	4	0	2	2	0
TH83	8	12	13	3	4	2	2	0	2	4	0
TH84	25	19	5	1	0	0	0	0	0	0	0
TH85	9	12	13	6	5	3	1	1	0	0	0
TH86	24	23	3	0	0	0	0	0	0	0	0

APPENDIX 18: QUALITATIVE ('DESCRIPTIVE') DATA FOR THIN SECTIONS - CLAYS

QU = quartz
MI = mica
OP = opaques
PL = plagioclase
OR = orthoclase
MR = microcline
SA = sandstone
SI = siltstone
MU = mudstone
CA = calcite
SH = shell
OR = organics

0 = absent
1 = very occasional
2 = occasional
3 = fairly frequent
4 = frequent
5 = abundant

	QU	MI	OP	PL	OR	MR	SA	SI	MU	CA	SH	OR
A1	5	3	2	2	0	2	1	4	2	0	0	0
A7	5	3	2	2	0	2	1	1	0	0	0	0
B3	4	3	2	2	0	2	0	2	2	0	0	0
B6	5	4	2	2	0	0	1	3	3	0	0	0
C1	5	5	2	2	0	0	0	2	1	0	0	0
C3	2	2	2	0	0	0	0	0	1	0	0	0
C4	2	2	2	0	0	0	0	0	0	0	0	0
C7	2	2	2	0	0	0	1	0	0	0	0	0
D	2	2	4	0	0	0	0	2	0	0	0	0
0518	5	5	2	1	0	0	0	0	0	0	0	0
0526	4	2	4	0	0	0	0	4	4	0	0	0
0563	4	0	2	0	0	1	0	0	0	0	0	0
0578	5	2	1	0	2	0	0	2	0	0	0	0
0586	5	5	2	2	0	0	0	1	0	0	0	0

APPENDIX 19: DATA FROM THIN SECTION POINT COUNTING - CLAYS

MA = matrix
QU = quartz
MI = mica
OP = opaques
PL = plagioclase
OR = orthoclase
MR = microcline
SA = sandstone
SI = siltstone
MU = mudstone
CA = calcite
SH = shell

NB : No organics, calcite or shell present.

	MA	QU	MI	OP	PL	OR	MR	SA	SI	MU
A1	119	37	1	1	0	0	0	0	79	13
A7	182	54	3	2	0	0	2	0	7	0
B3	192	52	4	0	2	0	0	0	0	0
B6	132	33	3	3	2	0	0	0	0	0
C1	174	39	19	4	2	0	0	0	12	0
C3	240	5	3	2	0	0	0	0	0	0
C4	230	5	10	5	0	0	0	0	0	0
C7	239	5	5	1	0	0	0	0	0	0
D	223	2	1	6	0	0	0	0	18	0
0518	198	42	4	5	1	0	0	0	0	0
0526	148	11	0	5	0	0	0	0	46	40
0563	218	30	0	1	0	0	1	0	0	0
0578	216	28	5	1	0	0	0	0	0	0
0586	183	48	3	0	1	0	0	0	15	0

APPENDIX 20: THIN SECTION GRAIN SIZE MEASURING DATA - QUARTZ ONLY - CLAYS

Unit of measurement = 1 division on eyepiece
10 divisions = 0.05 mm approx.

	6-10	<15	<20	<25	<30	<35	<40	<45	<50	<99	>100
A1	12	8	9	8	4	4	1	2	0	2	1
A7	10	15	10	3	2	6	1	2	0	1	0
B3	12	7	10	7	4	4	2	1	2	1	0
B6	15	15	9	3	1	3	1	0	3	0	0
C1	33	13	4	0	0	0	0	0	0	0	0
C3	40	5	2	1	1	0	0	0	0	1	0
C4	36	7	4	0	0	1	1	0	1	0	0
C7	29	8	7	2	1	0	0	0	2	1	0
D	40	8	1	1	0	0	0	0	0	0	0
0518	40	9	1	0	0	0	0	0	0	0	0
0526	26	15	6	1	2	0	0	0	0	0	0
0563	8	12	11	6	5	5	1	2	0	0	0
0578	18	12	9	5	0	2	0	1	0	3	0
0586	21	8	4	3	4	4	0	1	2	3	0

APPENDIX 21: TECHNOLOGICAL DATA FOR POOL POTTERY - TOTAL ASSEMBLAGE

The lists of technological data are coded as follows -

PH = phase

CON = context

FN = finds number

NB = number of body sherds

NR = number of rim sherds

NBS = number of basal sherds

TH = thickness

DIA = diameter

WT = weight

B = type of body sherd
- 1 = globular
- 2 = straight-sided
- 3 = angled
- 4 = thumb pot
- 5 = baggy
- 6 = tulip shaped
- 7 = barrel
- 8 = necked
- 9 = shouldered

R = type of rim sherd
- 1 = plain
- 2 = flattened
- 3 = everted
- 4 = inverted
- 5 = rounded
- 6 = Unstan
- 7 = scalloped
- 8 = interior lipped
- 9 = inward sloping
- 10 = outward sloping
- 11 = grooved
- 12 = notched
- 13 = shouldered
- 14 = interior 'shelf'
- 15 = rolled
- 16 = beaded

BS = type of basal sherd
- 1 = plain, angled
- 2 = plain, rounded
- 3 = bucket (straight-sided)
- 4 = baggy
- 5 = barrel
- 6 = tulip
- 7 = square
- 8 = thumb pot
- 9 = footed
- 10 = splayed

S = surface finish
- 1 = smoothed
- 2 = burnished
- 3 = polished
- 4 = slipped

D = decoration
- 1 = incised
- 2 = applied
- 3 = impressed
- 4 = carinated
- 5 = painted

F = fabric
- 1 = Matrix 1, untempered
- 2 = Matrix 2, untempered
- 3 = Matrix 3, rock-tempered
- 4 = Matrix 4, rock-tempered
- 5 = Matrix 5, grass-tempered
- 6 = Matrix 6, grass-tempered
- 7 = Matrix 7, shell-tempered
- 8 = Matrix 8, shell-tempered

C = colour
- 1 = oxidised
- 2 = reduced
- 3 = partially oxidised
- 4 = partially reduced
- 5 = reduced with oxidised surface/margin
- 6 = oxidised with reduced surface/margin

E = exterior sooted/residue
- 1 = yes
- 2 = no

I = interior sooted/residue
1 = yes
2 = no

PHASE 1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
1.1	2775	6666A	0	1	0	0.7	-	4	-	1	-	-	1	2	1	2	2
1.1	2775	6666B	0	1	0	0.4	16	2	-	2	-	-	-	2	1	2	2
1.1	2775	6666C	0	1	0	1.0	-	10	-	1	-	-	-	2	1	1	2
1.1	2775	6666D	1	0	0	0.6	-	5	-	-	-	-	-	3	1	1	2
1.1	2776	6581	1	0	0	0.5	-	4	-	-	-	-	-	8	1	2	2
1.1	2776	6582	1	0	0	-	-	7	-	-	-	-	-	8	1	2	2
1.1	2776	6583	1	0	0	1.1	-	15	-	-	-	2	-	3	1	2	2
1.1	2776	6586	1	0	0	0.8	-	11	-	-	-	-	-	4	5	2	2
1.1	2776	6587	0	1	0	1.0	-	14	-	1	-	-	-	3	1	2	2
1.1	2776	6588	2	0	0	-	-	4	-	-	-	-	-	4	1	2	2
1.1	2776	6589	1	0	0	0.8	-	17	-	-	-	4	-	4	5	2	1
1.1	2776	6590	1	0	0	1.5	-	9	-	-	-	-	-	2	5	2	1
1.1	2776	6591	1	0	0	0.6	-	5	-	-	-	-	-	2	1	1	2
1.1	2776	6592	1	0	0	1.2	-	32	-	-	-	-	-	4	1	2	2
1.1	2776	6593	1	0	0	0.8	-	6	-	-	-	-	-	4	5	2	2
1.1	2776	6594	1	0	0	1.3	-	9	-	-	-	-	-	4	1	2	2
1.1	2776	6595	1	0	0	1.2	-	12	-	-	-	-	-	4	5	2	2
1.1	2776	6610	1	0	0	0.7	-	7	-	-	-	-	-	4	3	2	2
1.1	2776	6611	1	0	0	1.0	-	12	-	-	-	-	-	2	1	2	2
1.1	2780	6612	1	0	0	1.0	-	14	-	-	-	-	-	4	5	2	2
1.1	2780	6613	1	0	0	1.0	-	13	-	-	-	-	-	2	1	2	1
1.1	2780	6614	1	0	0	0.7	-	8	-	-	-	-	-	2	2	2	2
1.1	2780	6615	1	0	0	1.0	-	14	-	-	-	1	-	4	1	2	2
1.1	2780	6616	1	0	0	1.2	-	30	-	-	-	-	-	3	5	2	2
1.1	2780	6617	1	0	0	1.0	-	8	-	-	-	-	-	2	5	2	2
1.1	2780	6618	1	0	0	1.0	-	18	-	-	-	-	-	4	4	2	2
1.1	2783	6619	1	0	0	1.0	-	20	-	-	-	-	-	2	1	2	2
1.1	2783	6620	1	0	0	0.9	-	10	-	-	-	-	-	2	1	2	2
1.1	2783	6621	1	0	0	0.6	-	6	-	-	-	-	-	2	1	2	2
1.1	2783	6622	1	0	0	0.6	-	4	-	-	-	-	-	2	1	2	2
1.1	2783	6623	1	0	0	1.0	-	7	-	-	-	-	-	2	1	2	2
1.1	2783	6624	0	1	0	0.7	-	6	-	3	-	-	-	7	1	1	2
1.1	2783	6625	1	0	0	1.3	-	9	-	-	-	-	-	4	1	2	2
1.1	2783	6626	1	0	0	0.6	-	2	-	-	-	-	-	2	1	2	2
1.1	2783	6627	1	0	0	0.4	-	3	-	-	-	-	-	4	1	2	2
1.1	2783	6628	1	0	0	0.8	-	16	-	-	-	-	-	8	2	2	2
1.1	2787	6629	3	0	0	-	-	14	-	-	-	-	-	8	3	2	2
1.1	2787	6630	0	1	0	0.5	-	3	-	6	-	-	1	1	1	2	2
1.1	2787	6690	1	0	0	0.6	-	-	-	-	-	-	-	1	4	1	2
1.1	2787	6691	1	0	0	0.8	-	5	-	-	-	-	-	3	1	1	2
1.1	2787	6692	0	1	0	1.1	-	13	-	6	-	-	-	4	1	1	1
1.1	2787	6693	1	0	0	1.4	-	14	-	-	-	-	-	1	3	2	2
1.1	2787	6694	1	0	0	0.7	-	5	-	-	-	-	-	8	1	2	2
1.1	2787	6695	1	0	0	0.8	-	4	-	-	-	-	-	2	3	2	2
1.1	2787	6696	2	0	0	0.7	-	13	-	6	-	-	1	1	1	2	2
1.1	2787	6697	1	0	0	-	-	5	-	-	-	-	-	8	3	2	2
1.2	0210	0584	3	0	0	0.8	-	12	-	-	-	-	-	7	1	2	2
1.2	0212	0789	1	0	0	0.6	-	7	-	-	-	-	-	1	1	2	2
1.2	0213	0786	1	0	0	1.5	-	21	-	-	-	-	-	1	6	2	2

PH	CON	FN	NB	BR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
1.2	0213	0788	1	0	0	0.8	-	3	-	-	-	-	-	1	5	2	2
1.2	0213	0791	1	0	0	0.6	-	10	-	-	-	-	-	7	2	2	2
1.2	0213	0794	1	0	0	0.9	-	8	-	-	-	-	-	8	2	2	2
1.2	0213	0980	1	0	0	1.3	-	3	-	-	-	-	-	2	5	2	2
1.2	0213	0982	0	1	0	0.7	22	8	-	2	-	-	-	1	6	2	2
1.2	0213	1040	0	1	0	0.6	22	9	-	2	-	-	-	1	2	2	2
1.2	0213	5595	1	0	0	1.2	-	12	-	-	-	-	-	4	5	2	2
1.2	0213	5663	2	0	0	1.6	-	54	-	-	-	-	-	3	5	2	2
1.2	0213	5779	1	0	0	0.8	-	11	-	-	-	-	-	3	1	2	2
1.2	0215	0681	1	0	0	0.8	-	7	-	-	-	-	-	8	1	2	2
1.2	0215	0683	5	0	0	-	-	28	-	-	-	-	-	1	1	2	2
1.2	0216	0525	1	0	0	0.7	-	28	-	-	-	1	-	4	1	2	2
1.2	0218	0975	0	1	0	0.7	12	4	-	1	-	-	-	1	2	2	2
1.2	0218	5588	1	0	0	1.5	-	20	-	-	-	-	-	7	5	2	2
1.2	0218	5594	2	0	0	0.6	-	4	-	-	-	-	-	3	4	2	2
1.2	0221	0889A	0	1	0	0.9	24	-	-	5	-	-	3	7	1	2	2
1.2	0221	0889B	4	0	0	1.0	27	-	-	-	-	-	-	8	1	2	2
1.2	0222	5625	3	0	0	2.0	-	16	-	-	-	-	-	8	3	2	2
1.2	0225	0568	1	0	0	0.7	-	12	-	-	-	-	-	3	3	2	2
1.2	0225	0761	1	0	0	1.0	-	14	-	-	-	-	-	1	5	2	2
1.2	0225	0763	1	0	0	1.0	-	78	-	-	-	-	-	3	1	2	2
1.2	0225	0767A	0	1	0	0.9	24	20	-	1	-	-	3	7	1	2	2
1.2	0225	0767B	6	0	0	1.5	-	45	-	-	-	-	-	7	1	2	2
1.2	0225	0769	1	0	0	0.8	-	28	-	-	-	-	-	1	5	2	2
1.2	0225	0931	1	0	0	0.5	-	7	-	-	-	-	-	1	1	2	2
1.2	0225	0933	1	0	0	1.3	-	12	-	-	-	-	-	3	1	2	2
1.2	0225	0942	1	0	0	-	-	3	-	-	-	-	-	3	6	2	2
1.2	0225	0947	1	0	0	1.3	-	11	-	-	-	-	-	3	2	2	2
1.2	0225	0960	1	0	0	-	-	5	-	-	-	-	-	1	1	2	2
1.2	0225	0962	0	0	0	0.6	-	11	-	-	-	-	-	1	3	2	2
1.2	0225	0969	2	0	0	0.7	-	6	-	-	-	-	-	3	1	2	2
1.2	0225	0971	5	0	0	1.5	-	22	-	-	-	-	-	7	1	2	2
1.2	0225	1029	0	0	0	0.7	-	4	-	-	-	-	-	1	3	2	2
1.2	0228	0792	20	0	0	1.2	-	-	-	-	-	-	-	8	1	2	2
1.2	0229	0612	2	0	0	0.7	-	14	-	-	-	-	-	1	1	2	2
1.2	0229	0618	1	0	0	0.8	-	15	-	-	-	-	-	1	1	2	2
1.2	0238	0687	1	0	0	0.8	-	3	-	-	-	-	-	1	1	2	2
1.2	0238	0742	1	0	0	0.8	-	9	-	-	-	-	-	1	1	2	2
1.2	0238	0745	1	0	0	-	-	3	-	-	-	-	-	1	7	2	2
1.2	0238	0750	0	1	0	0.9	-	8	-	1	-	-	-	1	1	2	2
1.2	0238	0793	1	0	0	-	-	10	-	-	-	-	-	3	2	2	2
1.2	0238	0858	0	1	0	1.2	24	33	-	-	-	-	-	3	2	2	2
1.2	0238	0860A	0	1	0	1.0	24	84	-	1	-	-	-	3	6	2	2
1.2	0238	0860B	0	1	0	1.0	24	25	-	1	-	-	-	3	6	2	2
1.2	0238	0860C	0	1	0	1.0	-	7	-	1	-	-	-	3	2	2	2
1.2	0238	0860D	50	0	0	1.1	-	1310	-	-	-	-	-	3	5	2	2
1.2	0238	0860E	1	0	0	1.1	-	80	-	-	-	-	-	3	1	2	2
1.2	0238	0861	1	0	0	1.2	-	8	-	-	-	-	-	1	5	2	2
1.2	0238	0863	1	0	0	1.2	-	19	-	-	-	-	-	1	2	2	2
1.2	0238	0864	1	0	0	1.1	-	14	-	-	-	1	-	2	5	2	2
1.2	0238	0865	1	0	0	-	-	5	-	-	-	-	-	1	2	2	2
1.2	0238	0881	1	0	0	0.5	-	3	-	-	-	2	-	1	2	2	2

PH	CON	FN	NB	BR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
1.2	0238	0890	1	0	0	0.8	-	6	-	-	-	-	-	1	2	2	2
1.2	0238	1009	1	0	0	1.0	-	6	-	-	-	-	-	7	2	2	2
1.2	0238	1061	2	0	0	0.6	-	4	-	-	-	-	-	1	4	2	2
1.2	0238	1064	1	0	0	1.1	-	-	-	-	-	-	-	1	5	2	2
1.2	0240	0765	1	0	0	-	-	6	-	-	-	1	-	1	1	2	2
1.2	0240	0768	1	0	0	0.9	-	3	-	-	-	-	-	1	5	2	2
1.2	0240	0964	2	0	0	1.1	-	18	-	-	-	-	-	3	1	2	2
1.2	0240	0979	0	1	0	0.8	14	19	-	1	-	-	-	1	2	2	2
1.2	0241	0688	1	0	0	1.1	-	31	-	-	-	-	-	8	1	2	2
1.2	0241	0689	3	0	0	1.1	-	38	-	-	-	-	-	1	1	2	2
1.2	0241	0743	1	0	0	1.0	-	28	-	-	-	-	-	8	1	2	2
1.2	0241	0744	1	0	0	1.5	-	27	-	-	-	-	-	8	5	2	2
1.2	0241	0746	2	0	0	1.0	-	22	-	-	-	-	-	3	5	2	2
1.2	0241	0748	2	0	0	1.0	-	14	-	-	-	-	-	8	1	2	2
1.2	0241	0749	0	1	0	0.8	18	-	-	2	-	-	-	8	2	2	2
1.2	0241	0751	1	0	0	1.0	-	3	-	-	-	-	-	1	1	2	2
1.2	0241	0938	1	0	0	-	-	25	-	-	-	-	-	8	5	2	2
1.2	0241	0940	1	0	0	0.5	-	4	-	-	-	-	-	1	2	2	2
1.2	0241	0945	1	0	0	1.3	-	19	-	-	-	-	4	1	1	2	2
1.2	0241	0959	2	0	0	-	-	10	-	-	-	-	-	2	3	2	2
1.2	0241	0966A	1	0	0	0.6	-	8	-	-	-	3	-	2	5	2	2
1.2	0241	0966B	1	0	0	-	-	6	-	-	-	-	-	3	1	2	2
1.2	0241	0970	1	0	0	0.7	-	5	-	-	-	-	-	3	1	2	2
1.2	0241	0972	1	0	0	0.5	-	3	-	-	-	-	-	1	5	2	2
1.2	0241	0973	2	0	0	0.9	-	39	-	-	-	-	-	1	5	2	2
1.2	0241	0974	1	0	0	0.9	-	10	-	-	-	-	-	1	1	2	2
1.2	0243	0764	1	0	0	0.6	-	5	-	-	-	-	-	1	1	2	2
1.2	0243	0885	1	0	0	0.9	-	11	-	-	-	-	-	3	1	2	2
1.2	0243	0886	1	0	0	-	-	6	-	-	-	-	-	4	1	2	2
1.2	0243	0891	1	0	0	-	-	6	-	-	-	-	-	3	1	2	2
1.2	0243	0935	1	0	0	-	-	4	-	-	-	-	-	1	6	2	2
1.2	0243	0943	1	0	0	-	-	3	-	-	-	-	-	3	1	2	2
1.2	0243	0944	1	0	0	-	-	4	-	-	-	-	-	1	2	2	2
1.2	0243	0946	1	0	0	-	-	3	-	-	-	-	-	1	4	2	2
1.2	0243	0967	1	0	0	-	-	4	-	-	-	-	-	1	1	2	2
1.2	0243	1014	1	0	0	0.9	-	6	-	-	-	-	-	2	5	2	2
1.2	0243	1109	16	0	0	1.5	-	98	-	-	-	-	-	8	6	2	2
1.2	0243	5590	2	0	0	-	-	4	-	-	-	-	-	2	1	2	2
1.2	0243	5591	1	0	0	1.0	-	10	-	-	-	-	-	3	1	2	2
1.2	0243	5623	1	0	0	0.6	-	10	-	-	-	-	-	1	1	2	2
1.2	0243	5643	2	0	0	0.8	-	7	-	-	-	-	-	1	1	2	2
1.2	0243	5649	7	0	0	1.3	-	53	-	-	-	-	-	1	1	2	2
1.2	0243	5650	2	0	0	1.2	-	60	-	-	-	-	-	1	1	1	2
1.2	0243	5656	9	0	0	1.0	-	111	-	-	-	-	-	1	1	1	2
1.2	0243	5657	1	0	0	1.0	-	25	-	-	-	-	-	1	1	1	2
1.2	0243	5658	3	0	0	1.0	-	27	-	-	-	-	-	1	1	1	2
1.2	0243	5659	2	0	0	1.0	-	21	-	-	-	-	-	1	1	1	2
1.2	0243	5660	1	0	0	0.5	-	5	-	-	-	2	-	4	1	1	2
1.2	0243	5661	2	0	0	-	-	7	-	-	-	-	-	1	1	2	2
1.2	0243	5662	1	0	0	-	-	5	-	-	-	-	-	1	1	2	2
1.2	0244	0963	1	0	0	1.3	-	10	-	-	-	-	-	1	1	2	2
1.2	0247	0888	1	0	0	1.0	-	4	-	-	-	-	-	3	5	2	2

PH	CON	FN	NB	BR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
1.2	0247	5756	1	0	0	0.7	-	2	-	-	-	-	-	1	5	2	2
1.2	0252	0932	0	0	1	1.3	-	-	-	-	-	-	-	1	1	2	2
1.2	0252	0936A	0	0	1	-	-	9	-	-	-	-	-	1	1	2	2
1.2	0252	0936B	1	0	0	0.7	-	5	-	-	-	-	-	1	1	2	2
1.2	0261	5760	0	1	0	0.8	-	7	-	1	-	-	-	1	1	2	2
1.2	0264	5757	1	0	0	-	-	9	-	-	-	-	-	1	1	2	2
1.2	2469	5642	0	1	0	0.8	-	8	-	1	-	-	-	3	1	1	1
1.2	2469	5644	1	0	0	0.6	-	7	-	-	-	-	-	3	2	1	2
1.2	2469	5645	0	1	0	0.9	-	11	-	10	-	-	-	4	2	1	2
1.2	2469	5647	1	0	0	1.0	-	6	-	-	-	-	-	4	5	2	1
1.2	2469	5651	0	1	0	1.0	-	3	-	8	-	-	-	1	2	1	1
1.2	2469	5652	2	1	0	1.1	-	21	-	1	-	2	-	3	1	1	2
1.2	2469	5653	2	0	0	1.0	-	8	-	-	-	-	-	3	2	2	1
1.2	2469	5654	1	0	0	0.7	-	21	-	-	-	-	-	2	2	2	2
1.2	2469	5655	1	0	0	1.0	-	14	-	-	-	-	-	8	2	1	2
1.2	2469	5664	0	1	0	0.8	-	7	-	-	-	-	-	3	2	1	1
1.2	2469	5751	2	2	0	1.2	-	64	-	1	-	-	-	3	2	1	1
1.2	2469	5752	1	0	0	-	-	2	-	-	-	-	-	3	1	2	2
1.2	2469	5753	0	0	1	0.8	16	43	-	2	-	-	-	4	2	2	2
1.2	2469	5754	0	1	0	0.8	-	23	-	6	-	2	1	2	2	1	2
1.2	2469	5755	3	0	0	-	-	20	-	-	-	-	-	2	3	2	2
1.2	2469	5758	1	0	0	1.1	-	17	-	-	-	-	-	2	1	1	2
1.2	2469	5763	0	1	0	0.8	20	63	-	-	-	-	3	3	3	2	2
1.2	2469	5765	0	1	0	0.6	-	1	-	6	-	-	1	2	1	2	2
1.2	2471	5646	1	0	0	-	-	6	-	-	-	-	-	1	1	2	2
1.2	2502	5759	4	0	0	0.8	-	13	-	-	-	-	-	1	3	2	2

PHASE 2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.1	1244	5189	1	0	0	-	-	22	-	-	-	-	-	1	1	2	2
2.1	1244	5191	4	0	0	0.8	-	23	-	-	-	-	-	2	1	2	2
2.1	1244	5340A	4	0	0	-	-	-	-	-	-	-	-	2	1	2	2
2.1	1244	5340B	4	0	0	0.8	-	-	-	-	-	-	-	7	2	2	2
2.1	1244	5341	1	0	0	1.1	-	-	-	-	-	-	-	1	3	2	2
2.1	1244	5353	3	0	0	-	-	35	-	-	-	-	-	7	2	2	2
2.1	1244	5354	6	0	0	1.4	-	29	-	-	-	-	-	1	3	2	1
2.1	1244	5355	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2
2.1	1244	5356A	1	0	0	1.1	-	9	-	-	-	-	-	8	3	2	2
2.1	1244	5356B	1	0	0	-	-	3	-	-	-	-	-	2	1	2	2
2.1	1244	5357	1	0	0	1.3	-	10	-	-	-	-	-	2	4	1	2
2.1	1244	5358	3	0	0	0.8	-	5	-	-	-	-	-	2	1	2	2
2.1	1244	5360	-	-	-	-	-	-	-	-	-	-	-	7	2	2	2
2.1	1244	5390	-	-	-	-	-	480	-	-	-	-	-	2	1	2	2
2.1	1244	5391	6	0	0	-	-	-	-	-	-	-	-	1	2	2	2
2.1	1244	5395A	1	0	0	0.9	-	5	-	-	-	-	-	2	3	1	2
2.1	1244	5395B	3	0	0	0.8	-	14	-	-	-	-	-	8	1	2	2
2.1	1244	5395C	1	0	0	0.8	-	10	-	-	-	-	-	8	3	2	2
2.1	1244	5395D	1	0	0	1.0	-	13	-	-	-	-	-	8	5	2	1
2.1	1244	5396	1	0	0	-	-	-	-	-	-	-	-	1	1	2	2
2.1	1244	5403	5	0	0	-	-	24	-	-	-	-	-	2	1	2	1
2.1	1244	5469	2	0	0	1.5	-	47	-	-	-	-	-	8	3	2	2
2.1	1269	4928A	1	3	0	0.7	-	50	-	2	-	-	-	2	1	2	2
2.1	1269	4928B	-	-	-	-	-	880	-	-	-	-	-	2	3	2	2
2.1	1269	4978A	7	0	0	1.6	-	-	-	-	-	-	-	8	1	2	2
2.1	1269	4978B	7	0	0	1.7	-	25	-	-	-	-	1	2	3	1	2
2.1	1306	5075	7	0	0	-	-	48	-	-	-	-	-	2	1	1	2
2.1	1330	5392	17	0	0	2.5	-	141	-	-	-	-	-	8	5	2	2
2.1	1330	5393	9	0	0	1.1	-	40	-	-	-	-	-	8	3	2	1
2.1	1330	5461	4	0	0	1.2	-	27	-	-	-	-	-	7	3	2	2
2.1	1330	5470	30	0	1	1.4	-	210	-	-	1	-	-	8	3	2	2
2.1	1332	5394	35	0	0	1.5	-	228	-	-	-	-	-	8	3	2	2
2.1	1332	5404	1	0	0	1.0	-	14	-	-	-	-	-	4	2	1	1
2.1	1336	5436	2	0	0	1.3	-	17	-	-	-	-	-	8	3	1	2
2.1	1336	5442	4	0	0	1.1	-	24	-	-	-	-	-	8	3	1	2
2.2	1077	3795	1	0	0	1.6	-	30	-	-	-	-	-	8	3	2	1
2.2	1241	5282	-	0	0	0.9	-	736	4	-	-	-	-	8	3	1	2
2.2	1241	5337A	15	0	0	1.5	-	221	-	-	1	-	-	7	3	2	2
2.2	1241	5337B	9	0	0	1.0	-	70	-	-	-	-	-	8	3	2	2
2.2	1241	5337C	10	0	0	1.0	-	87	-	-	-	-	-	2	1	1	2
2.2	1241	5347	4	0	0	1.6	-	60	-	-	-	-	-	2	1	1	2
2.2	1241	5388A	5	0	0	0.9	-	34	-	-	-	-	-	2	1	1	2
2.2	1241	5388B	6	0	0	0.9	-	47	-	-	-	-	-	2	3	1	2
2.2	1241	5388C	1	0	0	1.4	-	74	-	-	-	-	-	8	3	2	1
2.2	1288	4908A	5	0	0	-	-	145	-	-	-	-	-	2	1	1	2
2.2	1288	4908B	1	0	0	1.8	-	6	-	-	-	-	-	8	5	2	1
2.2	1288	4908C	1	0	0	1.1	-	13	-	-	-	-	-	8	3	2	1
2.2	1296	4931A	1	0	0	1.2	-	-	-	-	-	-	-	7	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.2	1296	4931B	1	0	0	1.2	-	-	-	-	-	-	-	1	1	2	2
2.2	1296	4931C	1	0	0	1.3	-	63	-	-	-	1	-	7	3	2	2
2.2	1296	4972	1	0	0	1.5	-	42	-	-	-	1	-	7	4	2	2
2.2	1296	4980A	3	0	1	1.8	6	104	-	-	1	-	-	7	5	1	1
2.2	1296	4980B	4	0	0	1.5	-	50	-	-	-	-	-	8	1	2	2
2.2	1296	4980C	4	0	0	-	-	102	-	2	-	-	-	2	1	1	2
2.2	1296	4982A	3	0	0	1.2	-	35	-	-	-	-	-	8	5	2	2
2.2	1296	4982B	4	0	0	1.2	-	38	-	-	-	-	-	7	2	1	2
2.2	1296	5050A	1	0	0	1.3	-	33	-	-	-	-	-	2	1	2	1
2.2	1296	5050B	2	0	0	-	-	8	-	-	-	2	-	2	1	1	2
2.2	1296	5050C	1	0	0	-	-	4	-	-	-	-	-	1	2	2	2
2.2	1296	5058A	16	0	0	1.2	-	285	-	-	-	-	-	8	3	1	2
2.2	1296	5058B	12	0	0	1.8	-	153	-	-	-	-	-	8	3	2	2
2.2	1296	5058C	4	0	0	1.5	-	55	-	-	-	-	-	8	3	2	2
2.2	1299	-	1	0	0	2.3	-	87	-	-	-	1	-	7	3	2	2
2.2	1299	4929	1	0	0	1.7	-	45	-	-	-	1	-	7	3	2	2
2.2	1299	4930	1	0	0	1.4	-	122	-	-	-	-	-	8	3	2	1
2.2	1299	4933	1	0	0	2.0	-	50	-	-	-	-	-	8	3	2	2
2.2	1299	4935A	1	0	0	1.2	-	-	-	-	-	-	-	7	3	2	2
2.2	1299	4935B	1	0	0	1.5	-	40	-	-	-	1	-	2	6	2	2
2.2	1299	4936A	2	0	0	1.6	-	265	-	-	-	1	-	7	3	1	1
2.2	1299	4936B	1	0	0	1.4	-	47	-	-	-	-	-	8	3	2	2
2.2	1299	4938	1	0	0	1.9	-	-	-	-	-	-	-	7	3	2	2
2.2	1299	5052A	10	0	0	1.5	-	206	-	-	-	-	-	8	3	2	1
2.2	1299	5052B	25	0	0	1.5	-	320	-	-	-	-	-	7	3	2	1
2.2	1299	5052C	19	0	0	1.2	-	184	-	-	-	-	-	7	3	1	2
2.2	1299	5052D	1	0	0	1.0	-	51	-	-	-	-	-	2	3	2	2
2.2	1299	5060A	8	0	1	1.6	-	151	-	-	1	-	-	7	3	2	2
2.2	1299	5060B	4	1	0	1.3	-	50	-	9	-	-	-	7	1	1	2
2.2	1299	5060C	0	1	0	1.3	-	16	-	4	-	-	-	2	1	2	2
2.2	1299	5064	1	0	0	1.5	-	25	-	-	-	-	-	7	5	2	2
2.2	1300	5043A	2	0	0	1.5	-	16	-	-	-	-	-	8	3	2	1
2.2	1300	5043B	5	1	0	0.9	-	36	-	9	-	-	-	8	1	1	2
2.2	1300	5043C	1	0	0	1.5	-	26	-	-	-	-	-	8	5	2	1
2.2	1300	5043D	1	0	0	0.9	-	18	-	-	-	-	-	2	3	2	2
2.2	1300	5043E	1	0	0	0.7	-	4	-	-	-	-	-	2	5	2	2
2.2	1300	5043F	1	0	0	2.0	-	22	-	-	-	-	-	8	1	1	2
2.2	1300	5047	1	0	0	1.3	-	36	-	-	-	-	-	8	5	2	2
2.2	1301	4973A	1	0	0	1.3	-	-	-	-	-	-	-	1	3	2	2
2.2	1301	4973B	1	0	0	1.5	-	54	-	-	-	-	-	7	1	2	2
2.2	1301	4973C	12	1	0	1.8	-	835	-	8	-	1	-	8	3	2	2
2.2	1301	4973D	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2
2.2	1301	4974A	1	2	0	1.2	-	276	-	1	-	-	-	8	3	2	2
2.2	1301	4974B	4	0	0	1.5	-	44	-	-	-	-	-	8	3	2	2
2.2	1301	4987A	1	0	0	1.2	-	-	-	-	-	-	-	1	1	2	2
2.2	1301	4987B	1	0	0	1.0	-	-	-	-	-	-	-	1	1	2	2
2.2	1301	4987C	1	0	0	2.0	-	89	-	-	-	1	-	7	3	2	2
2.2	1301	5020	2	0	0	1.6	-	23	-	-	-	-	-	8	3	2	1
2.2	1302	5008	4	0	0	1.4	-	235	-	-	-	-	-	8	3	1	2
2.2	1302	5012	12	0	0	1.6	-	56	-	-	-	-	-	8	3	2	1
2.2	1302	5016A	5	0	0	2.0	-	68	-	-	-	-	-	8	3	2	1
2.2	1302	5016B	2	0	1	0.9	-	54	-	-	1	-	-	7	1	1	2
2.2	1302	5022	7	3	1	2.5	-	1500	3	1	1	-	-	8	3	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.2	1302	5028	1	0	0	-	-	8	-	-	-	-	-	1	3	2	2
2.2	1302	5029	0	0	1	1.5	-	-	-	-	-	-	-	7	5	2	2
2.2	1302	5029	1	0	0	1.8	-	40	-	-	-	-	-	7	3	2	2
2.2	1302	5030A	5	1	0	1.2	-	150	-	9	-	-	-	8	1	1	2
2.2	1302	5030B	1	0	0	2.0	-	173	-	-	-	-	-	8	3	2	1
2.2	1304	5006	1	0	0	0.9	-	-	-	-	-	-	-	2	3	2	2
2.2	1304	5015	4	0	0	1.7	-	160	-	-	-	-	-	8	3	1	1
2.2	1304	5073	2	0	0	1.4	-	70	-	-	-	-	-	8	3	1	2
2.2	1308	5007	1	1	0	1.2	-	343	-	9	-	-	-	2	1	2	2
2.2	1308	5078A	2	2	0	1.3	-	128	-	1	-	-	-	2	1	1	2
2.2	1308	5078B	5	0	0	1.4	-	133	-	-	-	-	-	7	3	2	2
2.2	1308	5078C	1	0	0	1.7	-	61	-	-	-	-	-	2	5	2	1
2.2	1308	5099A	0	2	0	0.8	-	34	-	9	-	-	-	2	3	1	2
2.2	1308	5099B	1	0	0	1.4	-	57	-	-	-	-	-	2	5	2	1
2.2	1308	5102	1	1	1	1.0	-	211	5	1	4	-	-	8	1	1	2
2.2	1309	5104	-	-	-	-	-	412	-	-	-	-	-	2	1	1	2
2.2	1309	5105	-	-	-	-	-	685	-	-	-	-	-	2	1	1	2
2.2	1309	5106	1	0	1	0.8	-	173	5	1	4	-	1	2	1	2	2
2.2	1309	5148	-	-	-	-	-	730	-	-	-	-	-	2	1	1	2
2.2	1309	5149A	4	0	0	1.3	-	283	-	-	-	-	-	8	5	1	2
2.2	1309	5149B	1	2	0	-	-	181	-	1	-	-	-	2	1	2	1
2.2	1309	5149C	1	0	0	-	-	9	-	-	-	-	-	8	3	2	2
2.2	1309	5150A	2	0	0	2.8	-	295	-	-	-	-	-	8	3	2	2
2.2	1309	5150B	15	6	0	1.2	-	330	-	8	-	-	-	2	1	2	2
2.2	1310	5103	10	3	2	1.5	-	770	3	1	1	-	5	8	3	2	2
2.2	1310	5108	1	0	1	1.0	5	96	-	-	4	-	-	7	1	2	2
2.2	1310	5109	1	0	0	1.4	18	141	-	-	-	-	-	8	3	1	1
2.2	1310	5110	12	0	0	1.3	-	319	-	-	-	-	-	8	3	2	1
2.2	1310	5140	0	1	0	1.5	-	66	-	2	-	-	-	8	3	2	2
2.2	1310	5143A	26	0	0	1.2	-	340	-	-	-	-	-	8	3	2	2
2.2	1310	5143B	4	0	1	-	-	116	-	-	1	-	-	8	1	2	2
2.2	1310	5144A	9	3	2	1.2	-	548	-	9	3	-	-	8	3	2	2
2.2	1310	5144B	8	0	0	1.2	-	360	-	-	-	-	-	8	1	1	2
2.2	1310	5145A	-	-	-	-	-	478	-	-	-	-	-	2	1	2	2
2.2	1310	5145B	10	0	0	1.6	-	780	-	-	-	2	-	8	3	2	1
2.2	1310	5145C	2	0	3	1.6	7	390	5	-	4	-	-	8	3	1	2
2.2	1310	5146	4	1	0	1.4	-	209	-	4	-	-	-	8	3	1	2
2.2	1310	5147A	4	0	0	1.7	-	215	-	-	-	-	-	7	5	1	1
2.2	1310	5147B	19	0	0	1.5	-	248	-	-	-	1	-	8	3	2	1
2.2	1310	5147C	-	1	-	-	-	317	-	1	-	-	-	2	1	2	2
2.2	1310	5152A	4	1	1	0.8	5	315	5	1	4	-	-	2	3	2	2
2.2	1310	5152B	1	0	0	1.4	-	72	-	-	-	-	-	8	3	2	2
2.2	1310	5153C	15	0	0	1.8	-	123	-	-	-	-	-	8	3	2	1
2.2	1310	5153D	10	0	0	1.2	-	141	-	-	-	-	-	8	3	2	2
2.2	1310	5153E	-	-	-	-	-	50	-	-	-	-	-	2	1	2	2
2.2	1310	5153F	1	0	0	2.2	-	230	-	-	-	-	-	8	3	1	2
2.2	1310	5153G	6	0	0	1.2	-	342	-	-	-	-	-	8	3	1	1
2.2	1310	5154A	13	9	0	1.6	-	254	-	8	-	-	-	7	3	1	1
2.2	1310	5154B	23	0	0	0.9	-	293	-	-	-	-	1	8	1	2	2
2.2	1310	5154C	24	0	0	1.5	-	800	-	1	-	-	-	8	3	2	2
2.2	1310	5154D	-	-	-	-	-	1030	-	-	-	-	-	2	3	2	2
2.2	1310	5154E	1	6	0	1.2	-	864	-	-	-	1	-	8	1	1	1
2.2	1310	5156	36	1	2	1.2	10	1346	-	9	1	-	-	8	5	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.2	1310	5175A	7	0	1	2.0	-	137	-	-	1	-	-	7	3	2	2
2.2	1310	5175B	1	0	0	0.6	-	13	-	-	-	-	-	1	1	2	2
2.2	1310	5186	50	1	0	2.4	24	860	-	1	-	-	-	8	3	2	2
2.2	1310	5187	1	0	0	-	-	1	-	-	-	-	-	2	1	2	2
2.2	1311	5346	1	0	0	1.3	-	38	-	-	-	-	-	8	3	2	2
2.2	1316	5119A	4	0	0	1.2	-	48	-	-	-	2	-	2	3	1	1
2.2	1316	5119B	1	0	0	1.3	-	20	-	-	-	-	-	8	1	2	2
2.2	1316	5119C	1	0	0	1.0	-	8	-	-	-	-	-	2	1	1	2
2.2	1316	5181	26	0	0	1.6	-	596	-	-	-	-	1	8	3	1	2
2.2	1317	5142	8	0	0	1.6	-	510	-	-	-	-	-	8	3	1	1
2.2	1317	5151A	20	0	0	-	26	2300	3	1	-	-	-	8	3	2	2
2.2	1317	5151B	10	0	0	0.7	-	110	-	-	-	-	-	8	3	2	1
2.2	1317	5151C	-	-	-	-	-	400	-	-	-	-	-	8	3	2	1
2.2	1317	5155	0	0	1	1.3	-	375	3	-	1	-	1	2	3	1	2
2.2	1317	5158	2	1	0	1.6	-	248	-	8	-	-	-	2	1	2	2
2.2	1317	5180	-	-	-	-	-	13	-	-	-	-	-	2	1	2	2
2.2	1317	5182A	17	0	0	1.1	-	158	-	-	-	-	-	8	3	2	1
2.2	1317	5182B	24	0	0	1.4	-	193	-	-	-	-	-	8	3	1	2
2.2	1317	5182C	3	0	0	0.9	-	51	-	-	-	-	-	8	3	1	2
2.2	1317	5182D	1	0	0	1.7	-	22	-	-	-	-	-	8	1	2	2
2.2	1317	5183	0	0	1	2.3	8	440	-	-	1	-	-	8	3	1	1
2.2	1317	5184	7	0	0	1.3	-	109	-	-	-	-	-	8	3	1	2
2.2	1317	5190A	-	-	-	1.2	-	200	-	-	-	-	-	2	1	1	2
2.2	1317	5190B	10	0	0	1.4	-	162	-	-	-	-	1	8	3	1	1
2.2	1317	5319A	3	0	0	2.2	-	158	-	-	-	-	-	8	3	2	1
2.2	1317	5319B	0	1	0	1.0	-	98	-	1	-	-	-	2	1	1	2
2.2	1317	5785	1	0	0	0.8	-	57	-	-	-	-	-	1	1	1	2
2.2	1318	5157	20	0	0	1.4	-	550	-	-	-	1	-	8	5	2	1
2.2	1318	5192A	40	0	0	-	-	630	-	-	-	-	-	8	3	2	1
2.2	1318	5192B	-	-	-	-	-	880	-	-	-	-	-	2	1	2	2
2.2	1318	6837	-	-	-	-	-	7	-	-	-	-	-	2	1	2	2
2.2	1320	5193	-	-	-	-	-	365	-	-	-	-	-	2	1	1	1
2.2	1320	5338A	4	0	0	1.1	-	148	-	-	2	1	-	8	3	2	2
2.2	1320	5338B	9	0	0	1.8	-	121	-	-	-	-	-	8	3	2	2
2.2	1320	5338C	6	0	0	1.2	-	52	-	-	-	-	1	3	3	2	2
2.2	1320	5338D	-	-	-	-	-	22	-	-	-	-	-	2	1	2	2
2.2	1320	5345A	18	1	0	1.6	-	96	-	1	-	-	-	7	4	2	1
2.2	1320	5345B	1	0	0	0.8	-	3	-	-	-	-	1	2	3	1	2
2.2	1320	5345C	1	0	0	-	-	12	-	-	-	-	-	8	1	2	2
2.2	1320	5345D	-	-	-	-	-	19	-	-	-	-	-	2	1	2	2
2.2	1320	5345E	3	0	0	1.3	-	38	-	-	-	-	-	8	3	2	1
2.2	1320	5345F	15	0	0	1.2	-	112	-	-	-	-	-	7	3	1	2
2.2	1320	5345G	4	0	0	0.7	-	25	-	-	-	-	-	8	5	2	2
2.2	1320	5345H	3	0	0	1.2	-	15	-	-	-	-	-	2	3	2	2
2.2	1320	5349	3	0	0	1.5	-	78	-	-	-	-	-	8	1	1	2
2.2	1322	5348A	1	0	0	1.2	-	110	-	1	-	-	-	8	3	2	2
2.2	1322	5348B	3	1	0	1.2	18	90	-	9	-	-	-	1	1	1	2
2.2	1323	5316	0	1	0	0.7	-	107	-	2	-	-	1	2	1	2	2
2.2	1323	5339	13	0	0	1.3	-	110	-	-	-	-	-	8	3	2	2
2.2	1323	5344A	0	0	1	3.0	16	139	-	-	1	-	-	8	1	2	2
2.2	1323	5344B	1	0	0	1.7	-	31	-	-	-	-	-	8	3	2	2
2.2	1323	5344C	2	0	0	1.4	-	32	-	-	-	-	1	2	1	1	2
2.2	1323	5344D	2	0	0	-	-	20	-	-	-	-	-	2	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.2	1323	5344E	5	0	0	1.2	-	57	-	-	-	-	-	1	1	2	2
2.2	1324	5351A	11	0	0	-	-	113	-	-	-	-	-	2	3	1	2
2.2	1324	5351B	1	0	0	1.8	-	20	-	-	-	-	-	8	3	2	1
2.2	1324	5351C	0	1	0	0.8	-	18	-	8	-	-	-	2	1	2	2
2.2	1324	5351D	8	0	0	0.8	-	49	-	-	-	-	-	8	3	2	2
2.2	1324	5398	6	0	0	1.4	-	30	-	-	-	-	-	1	1	2	2
2.2	1325	5317	-	-	-	-	-	650	-	-	-	-	-	2	1	2	2
2.2	1325	5359A	3	0	0	1.5	-	44	-	-	-	-	-	1	1	2	2
2.2	1325	5359B	4	0	0	-	-	36	-	-	-	-	-	7	3	2	1
2.2	1325	5359C	1	0	0	-	-	13	-	-	-	-	-	7	3	1	1
2.2	1325	5383A	1	0	0	1.1	-	22	-	-	-	-	-	8	3	1	2
2.2	1325	5383B	9	0	0	1.4	-	31	-	-	-	-	-	8	3	2	2
2.2	1326	5318A	19	0	0	2.2	-	650	-	-	-	-	-	8	3	1	2
2.2	1326	5318B	8	0	0	-	-	345	-	-	-	-	-	2	1	2	2
2.2	1327	4519	4	0	0	1.3	-	61	-	-	-	-	-	8	3	2	2
2.2	1327	5399	6	0	0	0.8	-	74	-	-	-	-	-	1	4	2	2
2.2	1327	5402	6	0	0	1.8	-	85	-	-	-	-	-	8	5	2	1
2.2	3213	4520	3	0	0	1.4	24	338	-	-	-	-	-	8	3	2	1
2.2	3215	6827	0	0	1	1.8	12	924	3	-	1	-	-	8	3	2	2
2.2	3217	4877A	21	2	0	2.0	-	1543	-	1	-	-	-	8	3	1	2
2.2	3217	4877B	0	1	0	1.2	-	10	-	8	-	-	-	8	1	2	2
2.2	3223	-	8	2	0	1.3	-	856	-	-	-	-	-	2	3	1	2
2.2	3223	-	16	0	1	2.0	-	468	-	-	1	-	-	8	5	2	2
2.2	3223	-	4	0	0	2.0	-	206	-	-	-	-	-	7	3	2	2
2.2	3223	-	5	1	0	1.4	-	91	-	1	-	-	-	7	2	2	2
2.2	3223	-	20	0	0	-	-	1380	-	-	-	-	-	8	3	2	2
2.2	3223	5814	0	0	1	1.2	-	38	4	-	1	-	-	8	1	2	2
2.2	3233	6500	1	0	0	1.7	-	172	-	-	-	-	-	8	3	2	1
2.2	3236	6501	4	0	0	1.9	-	147	-	-	-	-	-	8	3	2	1
2.2	3238	6502	2	1	0	1.3	-	472	-	1	-	-	-	8	3	2	1
2.2	3242	6503	1	0	0	1.4	-	28	-	-	-	-	-	8	3	2	2
2.2	3244	6504	3	0	0	1.3	-	92	-	-	-	-	-	8	3	2	1
2.2	3246	4518A	0	1	1	1.0	-	530	3	1	1	-	-	2	1	1	1
2.2	3246	4518B	15	0	0	1.3	-	1080	-	1	-	-	-	2	3	1	1
2.2	3258	6505	1	1	0	1.4	-	43	-	1	-	-	-	8	1	1	1
2.2	3260	6506	1	0	0	1.6	-	88	-	-	-	-	-	8	3	2	1
2.2	3263	6507	13	0	0	1.4	-	114	-	-	-	-	-	2	1	2	2
2.2	3264	6508	14	0	0	1.5	-	199	-	-	-	-	-	8	3	2	1
2.2	3283	6509	1	1	0	1.3	-	383	-	8	-	-	-	8	3	1	1
2.3	0209	0851	3	0	0	1.1	-	12	-	-	-	-	-	1	5	2	2
2.3	0235	0709	0	0	1	1.0	-	23	-	-	-	-	-	1	1	2	2
2.3	0235	5868	0	1	0	1.2	-	16	-	9	-	-	-	3	1	1	2
2.3	0235	6083	12	0	0	-	-	54	-	-	-	-	-	4	2	2	2
2.3	0239	0752	1	0	0	-	-	2	-	-	-	-	-	6	3	2	2
2.3	0239	0890	1	0	0	0.8	-	-	-	-	-	-	-	1	2	2	2
2.3	0257	0918	99	0	0	2.0	-	255	-	-	-	-	-	7	1	2	2
2.3	0257	0919	99	0	1	2.0	-	177	-	-	-	-	-	7	1	2	2
2.3	0257	1042	5	0	0	1.3	-	59	-	-	-	-	-	7	1	2	2
2.3	0269	0985	1	0	1	-	-	5	-	-	-	-	-	7	2	2	2
2.3	0781	4015A	5	0	0	1.0	-	16	-	-	-	-	-	7	3	2	1
2.3	0781	4015B	1	0	0	0.8	-	11	-	-	-	-	-	4	2	1	2
2.3	0781	4042A	6	0	0	1.0	-	22	-	-	-	-	-	7	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	0781	4042B	1	0	0	1.0	-	9	-	-	-	-	-	4	5	2	2
2.3	0905	3589	1	0	0	1.2	-	5	-	-	-	-	-	4	5	2	2
2.3	0905	3730A	1	0	0	1.4	-	27	-	-	-	-	-	3	3	1	2
2.3	0905	3730B	8	0	0	1.3	-	64	-	-	-	-	-	1	1	1	2
2.3	0905	3747	16	0	0	1.2	-	44	-	-	-	-	-	8	1	1	2
2.3	0905	3577	0	0	1	0.8	9	222	-	-	1	-	-	3	1	2	2
2.3	0905	3742	2	2	1	0.8	26	914	2	1	1	4	1	3	3	2	2
2.3	0905	3800A	40	0	2	1.4	-	190	-	-	-	-	-	3	3	2	2
2.3	0905	3800B	2	0	0	0.5	-	10	-	-	-	-	-	4	1	2	2
2.3	0905	3800C	2	0	0	0.8	-	5	-	-	-	-	2	3	1	1	2
2.3	0905	4010A	3	0	0	1.6	-	52	-	-	-	-	-	4	3	1	2
2.3	0905	4010B	6	0	0	1.0	-	22	-	-	-	-	-	8	3	2	2
2.3	0905	4010C	5	0	0	0.8	-	24	-	-	-	-	-	4	3	2	2
2.3	0905	4010D	2	0	0	1.0	-	11	-	-	-	-	-	8	1	2	2
2.3	0905	4010E	1	0	0	2.1	-	40	-	-	-	-	1	8	3	2	2
2.3	0905	4064	20	0	0	0.7	-	145	-	-	-	-	2	4	1	2	2
2.3	0972	3814	15	0	0	1.7	-	176	-	-	-	-	-	7	3	1	2
2.3	0972	3942	7	0	0	1.4	-	450	-	-	-	-	-	8	1	1	2
2.3	0972	4020	32	0	0	1.3	-	545	-	-	-	4	-	8	3	2	2
2.3	0972	4925	3	0	0	1.5	-	-	-	-	-	-	-	8	3	1	2
2.3	0972	4981A	1	0	1	2.0	-	89	-	-	1	-	-	8	1	1	2
2.3	0972	4981B	3	0	0	1.6	-	34	-	-	-	-	-	8	3	2	2
2.3	0972	4981C	4	0	0	1.3	-	43	-	-	-	-	-	7	5	2	2
2.3	0972	4981D	5	0	0	1.3	-	29	-	-	-	-	-	8	3	2	2
2.3	0979	3919	0	0	1	1.0	-	9	-	-	1	-	-	4	1	2	2
2.3	0979	3924A	26	1	0	1.5	-	377	-	1	-	4	2	4	5	1	1
2.3	0979	3924B	4	0	0	1.3	-	29	-	-	-	-	2	4	1	2	2
2.3	0979	3924C	2	0	0	1.2	-	20	-	-	-	4	2	4	3	2	2
2.3	0979	3924D	3	3	0	0.8	-	50	-	1	-	-	-	3	3	2	2
2.3	0979	3943	0	2	0	1.0	-	105	-	9	-	-	-	4	2	1	1
2.3	0979	4125A	2	0	0	1.2	-	38	-	-	-	4	2	4	4	1	1
2.3	0979	4125B	4	0	0	1.1	-	36	-	-	-	-	-	8	5	1	2
2.3	1011	3806	21	0	0	1.5	-	335	-	-	-	-	-	7	3	1	2
2.3	1011	3920	16	0	0	2.0	-	810	-	-	-	-	-	8	1	2	2
2.3	1011	3958	15	0	0	1.3	-	180	-	-	-	-	1	8	3	2	1
2.3	1011	4060	7	0	0	1.6	-	41	-	-	-	-	-	8	3	2	1
2.3	1015	3913	50	0	0	1.7	-	950	-	-	-	-	-	8	1	2	2
2.3	1015	4048	29	0	0	1.6	-	156	-	-	-	-	-	8	3	2	2
2.3	1016	4003	15	0	1	2.0	-	252	-	-	1	-	-	8	4	2	2
2.3	1016	4023	4	0	0	2.2	-	666	-	-	-	-	-	8	1	2	1
2.3	1016	4087	72	0	0	1.8	-	430	-	-	-	-	-	8	4	2	2
2.3	1029	3824A	26	0	0	1.3	-	535	-	-	-	-	-	8	4	1	1
2.3	1029	3824B	15	0	0	1.8	-	437	-	-	-	-	-	8	3	2	2
2.3	1029	3824C	8	0	0	2.2	-	170	-	-	-	-	-	8	3	2	2
2.3	1029	3824D	0	0	0	2.2	-	189	-	-	-	-	-	2	1	2	2
2.3	1029	3934	2	0	0	1.2	-	8	-	-	-	-	-	8	3	2	1
2.3	1029	3956	4	0	0	1.5	-	36	-	-	-	-	-	8	3	2	1
2.3	1029	3972	7	0	0	1.3	-	58	-	-	-	-	-	8	3	2	1
2.3	1029	3974	1	0	0	-	-	23	-	-	-	-	-	1	1	2	2
2.3	1029	4017	3	0	0	1.8	-	35	-	-	-	-	-	8	1	2	2
2.3	1029	4018	0	0	0	-	-	11	-	-	-	-	-	8	1	2	2
2.3	1029	4025	4	0	0	2.2	-	61	-	-	-	-	-	8	3	2	2
2.3	1029	4049	3	0	0	-	-	8	-	-	-	-	-	2	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1036	3988	2	0	0	1.4	-	37	-	-	-	-	-	8	3	2	2
2.3	1036	4083	33	0	0	1.0	-	130	-	-	-	-	-	8	1	2	2
2.3	1036	4109	7	0	0	1.5	-	221	-	-	-	-	-	8	3	1	1
2.3	1036	4110	1	0	0	1.5	-	124	-	-	-	-	-	8	3	2	2
2.3	1037	3931	1	0	0	0.9	-	34	-	-	-	-	-	8	1	2	2
2.3	1037	3960	12	0	0	1.4	-	126	-	-	-	-	-	8	3	2	2
2.3	1037	4040	1	0	0	1.4	-	16	-	-	-	-	-	8	3	2	2
2.3	1037	4075A	31	0	0	2.0	-	260	-	-	1	-	-	8	3	2	2
2.3	1037	4075B	1	0	1	1.2	-	120	-	-	1	-	-	4	5	2	1
2.3	1045	3823A	18	0	0	2.5	-	210	-	-	-	-	-	8	1	1	2
2.3	1045	3823B	9	0	0	1.2	-	66	-	-	-	-	-	8	3	2	2
2.3	1045	3823C	1	0	0	1.5	-	24	-	-	-	-	-	3	2	1	2
2.3	1045	3823D	1	0	0	0.8	-	42	-	-	-	-	-	8	1	2	2
2.3	1045	3823E	0	0	0	-	-	11	-	-	9	-	-	8	2	2	2
2.3	1046	3941	50	0	0	2.0	-	800	-	-	-	-	-	8	3	2	2
2.3	1046	3990	17	0	0	1.5	-	167	-	-	-	-	-	8	3	2	2
2.3	1046	3996	26	0	1	1.7	-	750	-	-	1	-	-	8	3	2	1
2.3	1046	4019	12	0	0	1.5	-	311	-	-	-	-	-	8	3	2	1
2.3	1046	4128	0	0	1	0.9	10	760	5	-	4	-	1	1	1	1	2
2.3	1047	3936A	4	0	0	1.1	-	20	-	-	-	-	-	8	5	2	1
2.3	1047	3936B	2	0	0	0.5	-	3	-	-	-	-	-	2	1	2	1
2.3	1047	3940	56	0	0	1.5	-	530	-	-	-	-	-	8	3	2	2
2.3	1047	3945A	2	1	0	1.5	-	3	-	8	-	-	2	4	5	1	1
2.3	1047	3945B	7	0	0	2.0	-	147	-	-	-	-	-	8	3	1	1
2.3	1047	3946	13	0	0	1.3	-	448	-	-	-	-	-	8	3	1	2
2.3	1047	3966	2	0	0	3.0	-	138	-	-	-	-	-	8	1	2	2
2.3	1047	3991	16	0	2	3.0	-	533	-	-	1	-	-	8	3	2	2
2.3	1047	3999	37	1	0	2.2	-	380	-	1	-	-	-	8	1	2	2
2.3	1047	4022	1	0	1	1.7	-	475	-	-	1	-	-	8	3	2	2
2.3	1047	4046	27	0	0	1.5	-	330	-	-	-	-	-	8	1	2	2
2.3	1047	4050	13	1	0	1.4	-	330	-	9	-	-	-	8	3	2	1
2.3	1047	4052	4	0	0	-	-	11	-	-	-	-	-	8	3	1	2
2.3	1066	3939	48	2	0	1.2	-	327	-	1	-	-	-	8	3	2	2
2.3	1066	4024	6	0	1	1.8	-	548	-	-	9	-	-	8	3	2	2
2.3	1066	4047	24	1	0	2.0	-	506	-	4	-	-	-	8	3	2	2
2.3	1066	4055	0	0	1	1.2	-	220	-	-	1	-	-	8	1	2	2
2.3	1066	4059	22	0	0	1.8	-	200	-	-	-	-	-	8	3	2	1
2.3	1067	3938A	12	0	1	2.0	-	142	-	-	9	-	-	8	3	1	2
2.3	1067	3938B	0	0	0	-	-	6	-	-	-	-	-	2	1	2	2
2.3	1067	4012	5	0	0	1.0	-	53	-	-	-	-	-	2	3	2	2
2.3	1067	4081	29	1	1	1.4	-	219	-	-	9	-	-	8	3	1	2
2.3	1068	3825A	30	0	0	1.6	-	1705	-	-	-	-	-	8	3	2	1
2.3	1068	3825B	12	0	0	1.2	-	298	-	-	-	-	-	8	3	2	1
2.3	1068	3825C	0	0	0	-	-	198	-	-	-	-	-	2	1	2	2
2.3	1068	3865A	23	0	1	2.0	-	1100	-	-	9	-	-	8	3	2	1
2.3	1068	3865B	32	0	0	-	-	670	-	-	-	-	-	8	3	2	2
2.3	1068	3865C	8	0	0	1.4	-	330	-	-	-	-	-	8	1	1	2
2.3	1068	3865D	0	0	0	-	-	11	-	-	-	-	-	2	1	2	2
2.3	1068	3866A	14	1	0	1.4	26	294	-	2	-	-	1	8	3	1	2
2.3	1068	3866B	24	0	0	2.1	20	479	-	-	-	-	-	8	5	2	2
2.3	1068	3866C	24	0	0	1.0	-	113	-	-	-	-	-	8	3	2	2
2.3	1068	3866D	1	0	1	2.4	-	59	-	-	2	-	-	8	1	2	2
2.3	1068	3867	3	0	1	1.1	24	347	6	-	-	-	-	8	3	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1068	3869	0	0	1	3.5	19	1567	-	-	1	-	-	8	3	2	2
2.3	1068	3871	1	0	1	1.0	10	124	-	-	1	-	1	2	1	2	2
2.3	1068	3874	60	0	1	1.4	12	1370	-	-	1	-	-	8	5	2	2
2.3	1068	3881	7	1	0	0.9	-	102	-	2	-	-	-	3	1	1	2
2.3	1068	3883A	0	0	0	-	-	119	-	-	-	-	-	2	1	2	2
2.3	1068	3883B	2	0	0	1.0	-	52	-	-	-	-	-	8	5	2	2
2.3	1068	3883C	3	0	0	0.7	-	21	-	-	-	-	-	2	5	2	2
2.3	1068	3885A	8	0	2	3.5	16	730	-	-	-	-	-	8	5	2	1
2.3	1068	3885B	13	0	0	3.0	-	538	-	-	-	-	-	8	3	2	1
2.3	1068	3885C	5	0	0	2.5	-	212	-	-	-	-	-	8	1	2	2
2.3	1068	3885D	15	0	0	1.5	-	94	-	-	-	-	-	8	3	2	2
2.3	1068	3885E	99	0	0	-	-	720	-	-	-	-	-	8	3	2	2
2.3	1068	3886A	18	0	0	1.2	-	378	-	-	-	-	-	8	3	2	2
2.3	1068	3886B	2	0	0	-	-	12	-	-	-	-	-	2	1	1	2
2.3	1068	3886C	0	1	0	-	-	7	-	-	-	-	-	8	2	2	2
2.3	1068	3886D	0	0	0	-	-	154	-	-	-	-	-	2	1	2	2
2.3	1068	3886E	0	0	0	-	-	40	-	-	-	-	-	8	3	2	2
2.3	1068	3887A	22	0	1	1.0	-	432	-	-	4	-	-	8	5	2	2
2.3	1068	3887B	15	0	0	-	-	104	-	-	-	-	-	2	1	2	2
2.3	1068	3888A	5	0	0	1.9	-	153	-	-	-	-	-	8	5	1	2
2.3	1068	3888B	3	0	0	2.5	-	182	-	-	-	-	-	8	3	2	2
2.3	1068	3888C	1	0	0	1.0	-	59	-	-	-	-	-	2	1	1	2
2.3	1068	3897	50	0	3	1.5	-	1090	-	-	-	-	-	8	1	2	2
2.3	1068	3964	57	0	1	2.0	-	766	-	-	9	-	-	8	3	2	2
2.3	1068	3968A	6	0	0	1.5	-	51	-	-	-	-	-	8	3	2	2
2.3	1068	3968B	0	0	0	-	-	36	-	-	-	-	-	2	1	2	2
2.3	1068	4013	34	0	0	2.0	-	310	-	-	-	-	-	8	3	2	2
2.3	1068	4035	13	1	0	1.2	-	36	-	-	-	-	-	8	2	2	1
2.3	1068	4078A	0	0	0	-	-	314	-	-	-	-	-	2	3	2	2
2.3	1068	4078B	0	0	1	1.6	16	75	-	-	1	-	-	8	5	2	2
2.3	1068	4078C	4	0	0	1.0	-	106	-	-	-	-	-	8	5	2	2
2.3	1068	4094	12	0	0	-	-	48	-	-	-	-	-	8	3	1	2
2.3	1068	4095	0	0	0	-	-	110	-	-	-	-	-	2	3	2	2
2.3	1068	4112A	43	0	0	1.3	-	155	-	-	-	-	2	8	3	2	2
2.3	1068	4112B	0	0	0	-	-	61	-	-	-	-	-	2	1	2	2
2.3	1069	3867A	4	0	1	1.6	18	2246	-	-	1	-	-	8	5	2	1
2.3	1069	3867B	3	0	0	-	-	38	-	-	-	-	-	8	1	2	2
2.3	1069	3870A	6	0	3	1.3	14	256	-	-	1	-	-	8	3	1	2
2.3	1069	3870B	9	0	0	1.2	-	212	-	-	-	-	-	8	3	2	2
2.3	1069	3882	9	0	3	1.1	-	802	-	-	-	-	-	8	1	2	2
2.3	1069	3969	30	2	0	1.4	-	1054	-	2	-	-	1	8	3	2	2
2.3	1069	3992	30	0	0	2.0	-	418	-	-	-	-	-	8	3	2	2
2.3	1069	3994	82	0	0	2.0	-	863	-	-	-	-	-	8	3	1	2
2.3	1069	3995	22	1	1	1.5	-	218	-	1	1	-	-	8	3	2	2
2.3	1069	4011	18	0	0	1.4	-	153	-	-	-	-	-	8	3	2	2
2.3	1069	4027	24	0	0	1.5	-	1476	-	-	-	-	-	8	5	1	1
2.3	1069	4038	63	0	0	1.5	-	215	-	-	-	-	-	8	5	2	1
2.3	1069	4107	27	1	0	1.3	-	785	-	1	-	-	-	8	3	2	2
2.3	1079	3680	2	0	0	1.2	-	54	-	-	-	-	-	8	1	2	1
2.3	1079	3687A	1	0	0	1.4	-	43	-	-	-	-	-	8	1	1	1
2.3	1079	3687B	1	0	0	0.7	-	3	-	-	-	-	-	1	1	2	2
2.3	1079	3687C	1	0	0	1.6	-	56	-	-	-	-	-	8	3	1	1
2.3	1079	3690	1	0	0	1.8	-	5	-	-	-	-	-	2	3	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1079	3850	4	0	0	2.1	-	138	-	-	-	-	-	8	3	2	2
2.3	1082	3884A	0	0	1	1.5	7	329	-	-	1	-	-	8	1	2	2
2.3	1082	3884B	30	0	0	1.3	-	189	-	-	-	-	-	8	5	1	2
2.3	1082	3884C	13	0	0	1.6	-	64	-	-	-	-	-	8	5	1	1
2.3	1082	3989	30	1	1	1.8	-	261	-	4	1	-	-	8	3	2	2
2.3	1082	4037A	1	0	0	-	-	2	-	-	-	-	-	8	2	2	2
2.3	1082	4037B	0	0	0	-	-	3	-	-	-	-	-	2	1	2	2
2.3	1082	4058A	12	0	0	1.8	-	50	-	-	-	-	-	8	4	2	1
2.3	1082	4058B	0	0	0	-	-	24	-	-	-	-	-	2	1	2	2
2.3	1082	4069	36	0	0	2.7	-	630	-	-	-	-	-	8	5	2	2
2.3	1082	4082	70	1	0	1.6	-	612	-	1	-	-	-	8	4	1	2
2.3	1082	4086	21	0	0	-	-	56	-	-	-	-	-	8	1	2	2
2.3	1082	4088	18	0	0	2.0	-	240	-	-	-	-	-	8	4	2	2
2.3	1082	4089	23	0	0	-	-	367	-	-	-	-	-	8	4	2	2
2.3	1082	4090	0	0	0	-	-	56	-	-	-	-	-	2	1	2	2
2.3	1082	4091	28	0	0	2.5	-	342	-	-	-	-	-	8	3	1	1
2.3	1082	4108	25	0	0	1.5	-	373	-	-	-	-	-	8	3	1	1
2.3	1084	4080A	14	0	0	1.2	-	59	-	-	-	-	-	8	3	1	2
2.3	1084	4080B	1	0	0	0.8	-	7	-	-	-	-	-	2	5	1	2
2.3	1084	4080C	1	0	0	-	-	11	-	-	-	-	1	2	1	2	2
2.3	1084	4080D	1	0	0	-	-	22	-	-	-	-	2	4	4	2	2
2.3	1089	3965	54	2	0	1.5	-	607	-	2	-	-	-	8	3	2	2
2.3	1089	4004	12	0	0	1.6	-	138	-	-	-	-	1	8	3	2	2
2.3	1089	4084A	2	0	0	0.7	-	42	-	-	-	-	1	8	1	2	2
2.3	1089	4084B	0	1	0	1.0	-	44	-	4	-	-	-	8	5	2	2
2.3	1089	4085	26	0	0	1.1	-	278	-	-	-	-	-	8	3	1	1
2.3	1089	4096	20	0	0	2.2	-	409	-	-	-	-	-	8	3	2	1
2.3	1130	4129A	5	0	0	1.1	-	39	-	-	-	-	-	4	2	1	1
2.3	1130	4129B	6	0	0	0.7	-	17	-	-	-	-	-	4	3	2	2
2.3	1130	4129C	5	0	0	1.0	-	19	-	-	-	-	-	4	3	2	1
2.3	1130	4129D	3	0	0	1.4	-	27	-	-	-	-	-	4	3	2	1
2.3	1130	4129E	2	0	0	1.0	-	11	-	-	-	-	-	4	5	2	1
2.3	1130	4133	1	0	0	1.0	-	19	-	-	-	-	-	3	5	2	2
2.3	1131	4134	1	0	0	0.8	-	15	-	-	-	-	-	4	3	2	2
2.3	1131	4136A	1	0	0	0.8	-	12	-	-	-	-	-	4	3	1	2
2.3	1131	4136B	1	0	0	0.9	-	10	-	-	-	-	-	4	5	2	1
2.3	1131	4136C	1	0	0	0.5	-	3	-	-	-	-	-	3	1	1	2
2.3	1176	4172	25	0	0	1.2	-	300	-	-	-	-	-	7	3	1	2
2.3	1184	4253A	2	0	0	1.2	-	16	-	-	-	-	-	4	1	1	2
2.3	1184	4253B	2	0	0	-	-	5	-	-	-	-	-	8	1	2	2
2.3	1184	4253C	1	0	0	1.1	-	3	-	-	-	-	-	8	2	1	1
2.3	1187	4287	1	0	0	0.7	-	4	-	-	-	-	-	4	5	2	2
2.3	1188	4254A	1	0	0	1.5	-	9	-	-	-	-	-	3	3	2	2
2.3	1188	4254B	1	0	0	-	-	4	-	-	-	-	-	8	1	2	2
2.3	1188	4288A	4	0	0	-	-	5	-	-	-	-	-	8	1	2	2
2.3	1188	4285B	1	0	0	1.0	-	7	-	-	-	-	-	7	5	2	2
2.3	1190	4291	1	0	0	-	-	6	-	-	-	-	-	4	1	2	1
2.3	1190	4292A	5	0	0	1.5	-	27	-	-	-	-	-	8	5	2	1
2.3	1190	4292B	1	0	0	1.0	-	11	-	-	-	-	-	3	2	2	2
2.3	1190	4293A	3	0	0	-	-	10	-	-	-	-	-	8	1	2	2
2.3	1190	4293B	1	0	0	-	-	4	-	-	-	-	-	2	4	2	2
2.3	1190	4294	1	0	0	-	-	3	-	-	-	-	-	3	1	2	2
2.3	1192	4290A	4	1	1	1.1	-	89	-	-	-	-	-	3	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1192	4290B	4	1	1	1.2	-	32	-	-	-	-	-	8	3	2	1
2.3	1193	4286	4	0	0	1.4	-	29	-	-	-	1	0	3	4	1	2
2.3	1193	4298	2	0	0	0.9	-	18	-	-	-	-	1	8	5	2	2
2.3	1195	4211	1	2	0	1.2	-	400	-	2	-	-	-	8	3	1	1
2.3	1195	4296A	8	1	0	1.2	-	40	-	1	-	-	-	8	3	1	2
2.3	1195	4296B	1	0	0	0.8	-	9	-	-	-	-	-	1	3	2	2
2.3	1195	4296C	1	0	0	0.9	-	10	-	-	-	1	-	4	4	1	2
2.3	1195	4296D	1	0	0	1.0	-	13	-	-	-	-	-	1	3	2	2
2.3	1195	4302A	8	0	0	1.6	-	38	-	-	-	-	-	8	3	2	1
2.3	1195	4302B	7	0	0	1.2	-	37	-	-	-	1	-	4	3	1	2
2.3	1196	4295A	1	0	0	-	-	6	-	-	-	-	-	1	3	2	2
2.3	1196	4295B	1	0	0	0.7	-	4	-	-	-	-	-	7	3	2	1
2.3	1196	4301A	9	0	1	-	-	35	-	-	2	-	-	8	3	2	2
2.3	1196	4301B	1	0	0	-	-	9	-	-	-	-	-	3	1	1	2
2.3	1196	4301C	2	0	0	-	-	7	-	-	-	-	-	2	1	2	2
2.3	1197	4297A	7	0	0	1.4	-	122	-	-	-	-	-	3	3	1	1
2.3	1197	4297B	6	0	0	1.0	-	35	-	-	-	-	-	7	3	2	2
2.3	1197	4363	1	0	0	-	-	13	-	-	-	-	-	4	3	1	2
2.3	1198	4774A	21	0	0	2.0	-	169	-	-	-	-	-	8	4	1	2
2.3	1198	4774B	0	0	0	-	-	53	-	-	-	-	-	2	1	2	2
2.3	1199	4256	1	0	2	1.2	-	44	-	-	1	-	1	8	1	1	1
2.3	1199	4364	1	0	0	1.2	-	10	-	-	-	-	-	7	3	2	2
2.3	1199	4405	1	1	0	0.9	-	11	-	4	-	-	1	7	5	2	2
2.3	1200	4537A	3	0	0	1.8	-	32	-	-	-	-	-	8	1	2	2
2.3	1200	4537B	2	0	0	1.1	-	30	-	-	-	-	-	1	6	2	2
2.3	1200	4537C	6	0	0	1.0	-	46	-	-	-	-	-	1	3	2	1
2.3	1200	4537D	4	0	0	0.7	-	19	-	-	-	-	-	7	1	1	2
2.3	1202	4409A	16	0	0	1.5	-	117	-	-	-	-	-	8	5	2	1
2.3	1202	4409B	7	0	0	1.0	-	32	-	-	-	-	-	2	1	2	2
2.3	1202	4409C	4	0	0	2.5	-	51	-	-	-	-	-	2	1	2	2
2.3	1202	4409D	1	0	0	1.3	-	18	-	-	-	-	-	4	4	1	2
2.3	1202	4538A	4	0	0	-	-	30	-	-	-	-	-	8	1	1	2
2.3	1202	4538B	3	0	0	1.3	-	37	-	-	-	-	-	7	6	2	1
2.3	1204	4404	1	0	0	-	-	3	-	-	-	-	-	8	2	2	2
2.3	1206	4534A	1	0	1	1.2	-	38	-	-	2	-	-	3	3	1	2
2.3	1206	4534B	2	0	0	-	-	13	-	-	-	-	-	8	2	2	2
2.3	1206	4534C	1	0	0	-	-	8	-	-	-	-	-	1	1	2	2
2.3	1207	4406A	2	0	0	1.2	-	19	-	-	-	-	-	8	2	2	1
2.3	1207	4406B	1	0	0	-	-	5	-	-	-	-	-	2	3	2	1
2.3	1209	4775A	5	1	0	1.1	-	63	-	2	-	-	-	8	1	2	1
2.3	1209	4775B	9	0	0	1.5	-	107	-	-	-	-	-	7	4	2	1
2.3	1209	4775C	2	0	0	1.0	-	37	-	-	-	-	-	2	1	1	2
2.3	1209	4775D	1	0	0	1.4	-	52	-	-	-	-	-	8	3	2	2
2.3	1209	4775E	0	0	0	-	-	64	-	-	-	-	-	2	1	2	2
2.3	1211	4530	8	0	0	1.6	-	80	-	-	-	-	-	8	5	2	2
2.3	1211	4531	7	0	0	1.8	-	92	-	-	-	-	-	8	5	2	2
2.3	1214	4367	1	0	0	0.8	-	29	-	-	-	-	1	1	5	2	2
2.3	1214	4535	12	0	0	1.3	-	163	-	-	-	-	1	2	1	1	2
2.3	1217	4259	0	1	0	0.8	22	30	-	11	-	-	1	8	1	2	2
2.3	1217	4312	3	0	0	0.9	-	210	-	-	-	-	1	2	1	2	2
2.3	1217	4540A	0	1	0	0.5	-	8	-	11	-	-	-	8	1	1	2
2.3	1217	4540B	5	0	0	0.9	-	28	-	-	-	-	1	8	2	1	2
2.3	1218	4414	2	1	0	0.9	-	9	-	1	-	-	-	1	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1218	4532	16	0	0	1.5	-	107	-	-	-	-	-	8	3	1	1
2.3	1219	4528	8	0	0	1.6	-	93	-	-	-	-	1	8	5	2	2
2.3	1219	4529	3	0	1	1.6	-	123	-	-	-	-	-	8	3	2	2
2.3	1220	4598	10	0	0	1.0	-	55	-	-	-	-	-	7	3	1	1
2.3	1220	4599A	4	0	0	1.5	-	25	-	-	-	-	-	7	3	2	1
2.3	1220	4599B	0	0	1	-	-	8	-	-	-	-	-	4	1	2	2
2.3	1220	4707A	35	1	0	1.1	-	366	-	4	-	-	-	8	1	1	1
2.3	1220	4707B	0	0	0	-	-	79	-	-	-	-	-	2	1	2	2
2.3	1222	4541A	0	0	1	1.8	-	42	-	-	2	-	-	7	1	1	2
2.3	1222	4541B	13	0	0	1.2	-	102	-	-	-	-	-	7	5	2	1
2.3	1222	4541C	5	0	0	1.2	-	42	-	-	-	-	-	7	3	2	2
2.3	1222	4541D	1	0	0	0.9	-	15	-	-	-	-	-	1	1	1	2
2.3	1222	4593	6	0	0	1.4	-	55	-	-	-	-	-	8	3	2	1
2.3	1222	4913	0	0	0	-	-	1170	-	-	-	-	-	2	3	2	2
2.3	1224	4533A	1	0	0	2.5	-	223	-	-	-	-	-	7	1	2	2
2.3	1224	4533B	0	1	0	1.0	-	7	-	1	-	-	-	7	2	2	2
2.3	1225	4383	1	0	1	1.5	7	790	5	-	4	-	-	8	1	1	2
2.3	1225	4773A	4	1	0	1.2	20	96	-	9	-	-	-	8	3	2	2
2.3	1225	4773B	17	0	0	1.3	-	233	-	-	-	-	-	7	1	2	2
2.3	1225	4773C	9	0	1	2.0	-	324	-	-	1	-	-	8	3	2	2
2.3	1226	5070	1	0	0	0.7	-	9	-	-	-	-	-	8	1	2	1
2.3	1227	4525	20	4	0	1.4	-	1700	-	1	-	-	-	7	1	1	1
2.3	1227	4668	12	0	1	1.1	7	200	-	-	1	-	1	8	3	1	1
2.3	1227	4693A	0	0	0	-	-	47	-	-	-	-	-	2	1	2	2
2.3	1227	4693B	3	0	0	0.8	-	23	-	-	-	-	-	2	4	2	2
2.3	1227	4693C	1	0	0	1.5	-	19	-	-	-	-	-	8	3	2	1
2.3	1227	4693D	2	0	0	0.9	-	34	-	-	-	-	-	8	4	1	1
2.3	1227	4693E	12	0	1	1.0	-	91	-	-	1	-	-	8	1	2	1
2.3	1227	4693F	3	0	0	1.2	-	31	-	-	-	-	-	8	1	2	1
2.3	1227	4716	6	0	0	1.2	-	25	-	-	-	-	-	8	4	2	1
2.3	1227	5089	1	0	0	-	-	2	-	-	-	-	1	2	1	2	2
2.3	1228	4466	1	0	0	2.0	-	41	-	-	-	-	-	1	3	2	2
2.3	1228	4842	4	0	0	0.7	-	21	-	-	-	-	1	8	1	2	2
2.3	1228	4583A	11	0	0	1.5	-	174	-	-	-	-	-	8	1	2	2
2.3	1228	4583B	1	0	8	1.5	-	90	-	-	1	-	-	8	5	1	1
2.3	1228	4583C	7	0	0	0.9	-	75	-	-	-	-	-	7	1	2	2
2.3	1228	4583D	0	0	1	-	-	14	-	-	-	-	-	4	5	2	2
2.3	1228	4584A	3	1	0	1.2	-	30	-	-	-	-	-	8	1	1	1
2.3	1228	4584B	0	1	0	1.0	-	10	-	16	-	-	-	2	5	2	2
2.3	1228	4584C	3	0	2	-	-	36	-	-	-	-	-	8	2	1	2
2.3	1228	4584D	1	0	0	1.0	-	22	-	-	-	-	-	8	1	2	2
2.3	1228	4584E	5	0	0	0.8	-	60	-	-	-	-	-	8	3	2	2
2.3	1228	4921A	2	0	0	1.2	-	34	-	-	-	-	-	2	3	1	2
2.3	1228	4921B	1	0	0	0.9	-	9	-	-	-	-	-	8	1	2	2
2.3	1229	4595A	2	0	0	1.0	-	22	-	-	-	-	-	8	5	2	2
2.3	1229	4595B	1	0	0	1.4	-	16	-	-	-	-	-	8	3	2	2
2.3	1230	4447	23	0	1	1.3	-	400	-	-	1	-	1	7	3	2	1
2.3	1230	4594	6	0	0	1.3	-	90	-	-	-	2	-	8	5	2	2
2.3	1231	4468	1	0	0	1.2	-	44	-	-	-	-	-	7	6	2	2
2.3	1231	4597A	1	0	0	0.7	-	5	-	-	-	-	-	3	8	1	2	2
2.3	1231	4597B	1	0	0	0.8	-	24	-	-	-	-	-	1	2	1	1	2
2.3	1231	4597C	0	0	2	1.0	8	41	-	-	1	-	-	7	1	1	1
2.3	1231	4597D	10	1	0	1.2	-	120	-	4	-	-	-	7	1	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1231	4601A	4	0	0	1.3	-	38	-	-	-	-	-	8	1	2	2
2.3	1231	4601B	2	0	0	0.8	-	9	-	-	-	-	-	1	3	2	2
2.3	1232	4602A	2	0	0	1.1	-	7	-	-	-	-	-	8	5	2	1
2.3	1232	4602B	1	0	0	1.0	-	26	-	-	-	-	-	8	2	1	1
2.3	1232	4602C	1	0	0	1.9	-	23	-	-	-	-	-	8	4	1	2
2.3	1232	4602D	1	0	0	1.1	-	11	-	-	-	-	-	8	5	2	1
2.3	1232	4602E	1	0	0	-	-	14	-	-	-	-	-	2	2	2	2
2.3	1235	4589	20	0	3	2.0	9	2080	-	-	1	-	-	8	3	2	2
2.3	1235	4600A	5	0	0	0.7	-	39	-	-	-	-	-	2	5	1	2
2.3	1235	4600B	2	0	0	0.7	-	4	-	-	-	-	-	8	1	2	2
2.3	1235	4600C	1	0	0	1.1	-	7	-	-	-	-	-	8	4	1	2
2.3	1235	4600D	1	0	0	1.1	-	5	-	-	-	-	-	8	2	2	2
2.3	1235	4604A	1	0	0	1.3	-	49	-	-	-	-	-	8	5	1	2
2.3	1235	4604B	1	1	0	0.6	-	8	-	1	-	-	-	7	1	1	2
2.3	1235	4604C	1	0	0	1.0	-	4	-	-	-	-	-	8	3	2	2
2.3	1235	4604D	1	0	0	0.7	-	5	-	-	-	-	-	1	1	2	2
2.3	1236	4478	0	1	0	0.9	-	14	-	4	-	-	-	2	1	2	2
2.3	1236	4550	1	0	0	1.1	-	84	-	-	-	-	-	1	1	2	2
2.3	1236	4559A	1	0	0	1.1	-	79	-	-	-	-	-	2	1	2	2
2.3	1236	4559B	1	0	0	2.0	-	156	-	-	-	-	-	1	1	2	2
2.3	1236	4651A	6	0	0	1.3	-	27	-	-	-	-	-	7	4	2	1
2.3	1236	4651B	1	0	0	1.1	-	10	-	-	-	-	-	8	1	1	2
2.3	1236	4651C	1	0	0	0.8	-	9	-	-	-	-	-	2	1	2	2
2.3	1236	4669A	0	0	1	0.8	-	28	-	-	9	-	-	8	1	2	2
2.3	1236	4669B	6	1	0	1.1	-	82	-	1	-	-	1	7	1	1	2
2.3	1236	4669C	1	0	0	1.8	-	64	-	-	-	-	-	8	3	2	1
2.3	1236	4669D	5	0	2	1.0	7	44	-	-	-	-	-	2	1	1	2
2.3	1236	4691A	4	0	0	2.4	-	268	-	-	-	-	-	7	3	2	2
2.3	1236	4691B	13	0	0	0.7	-	145	-	-	-	-	-	8	1	1	2
2.3	1236	4694A	1	1	0	1.0	-	28	-	4	-	-	-	7	1	1	2
2.3	1236	4694B	0	1	0	0.9	-	9	-	1	-	-	-	2	3	2	2
2.3	1236	4694C	1	0	0	1.0	-	16	-	-	-	-	-	8	3	2	1
2.3	1236	4694D	1	0	0	1.6	-	53	-	-	-	-	-	8	5	2	1
2.3	1236	4694E	1	0	0	1.6	-	20	-	-	-	-	-	8	4	1	2
2.3	1236	4694F	0	0	0	-	-	70	-	-	-	-	-	8	1	2	2
2.3	1236	4694G	1	0	0	0.9	-	7	-	-	-	-	-	7	1	2	2
2.3	1236	4694H	1	0	0	0.8	-	6	-	-	-	-	-	7	5	2	1
2.3	1236	4920	4	1	1	1.2	-	50	-	2	-	-	-	8	1	1	2
2.3	1237	4705A	4	0	0	1.5	-	35	-	-	-	-	-	8	3	2	2
2.3	1237	4705B	9	0	0	1.2	-	47	-	-	-	-	3	8	3	2	1
2.3	1237	4705C	5	1	0	0.9	-	88	-	4	-	-	-	8	1	2	1
2.3	1238	4551	6	0	0	1.1	-	74	-	-	-	-	-	8	3	2	1
2.3	1238	4603A	4	0	0	1.1	-	39	-	-	-	-	-	8	3	2	1
2.3	1238	4603B	6	0	0	1.0	-	33	-	-	-	-	-	8	3	2	1
2.3	1239	4652	7	0	0	1.0	-	91	-	-	-	-	1	7	4	2	2
2.3	1239	4667A	1	0	0	0.7	-	5	-	-	-	-	1	8	1	2	2
2.3	1239	4667B	9	0	0	1.5	-	146	-	-	-	-	-	8	3	1	1
2.3	1239	4772	1	0	0	1.6	-	74	-	-	-	-	-	2	3	1	2
2.3	1250	4612	6	0	0	1.6	-	42	-	-	-	-	-	8	4	1	1
2.3	1250	4711A	9	0	0	1.8	-	111	-	-	-	-	-	7	1	2	2
2.3	1250	4711B	6	0	0	1.0	-	27	-	-	-	-	-	2	5	2	1
2.3	1250	4711C	3	0	0	0.7	-	18	-	-	-	-	-	2	1	2	2
2.3	1250	4711D	2	0	0	1.5	-	24	-	-	-	-	-	8	3	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1250	4711E	1	0	0	-	-	5	-	-	-	-	-	1	1	2	2
2.3	1250	4771A	2	0	0	1.1	-	23	-	-	-	-	-	8	4	2	2
2.3	1250	4771B	1	0	0	1.0	-	6	-	-	-	-	-	2	1	2	2
2.3	1250	4780A	13	0	1	1.4	-	207	-	-	1	-	-	8	3	2	2
2.3	1250	4780B	4	0	0	1.1	-	63	-	-	-	-	1	8	3	1	2
2.3	1250	4780C	5	0	1	-	-	64	-	-	1	-	-	2	1	2	2
2.3	1250	4906A	1	0	0	2.0	-	43	-	-	-	-	-	8	4	2	1
2.3	1250	4906B	1	0	0	-	-	21	-	-	-	-	-	2	1	1	2
2.3	1250	4927	5	0	0	1.5	-	71	-	-	-	-	-	8	1	2	2
2.3	1251	4723A	1	0	0	2.1	-	178	-	-	-	4	-	7	3	2	2
2.3	1251	4723B	3	0	0	1.2	-	-	-	-	-	-	-	2	1	2	2
2.3	1251	4723C	0	0	0	-	-	1200	-	-	-	-	-	2	1	2	2
2.3	1251	4725A	7	0	0	1.3	-	54	-	-	-	-	-	8	3	2	2
2.3	1251	4725B	10	0	0	2.0	-	400	-	-	-	-	-	8	3	2	2
2.3	1251	4726A	15	0	0	1.7	-	108	-	-	-	-	-	8	3	2	1
2.3	1251	4726B	0	0	0	-	-	437	-	-	-	-	-	2	1	1	2
2.3	1251	4732	1	0	0	1.0	-	-	-	-	-	-	-	1	2	1	1	2
2.3	1251	4715A	3	0	0	1.3	-	61	-	-	-	-	-	8	5	2	2
2.3	1251	4715B	2	0	0	1.3	-	82	-	-	-	-	-	7	4	2	2
2.3	1251	4715C	1	0	0	0.9	-	10	-	-	-	-	-	2	1	1	2
2.3	1251	4715D	1	0	0	1.1	-	6	-	-	-	-	-	1	5	2	1
2.3	1251	4770A	4	0	0	1.2	-	35	-	-	-	-	-	8	5	2	2
2.3	1251	4770B	1	0	0	2.0	-	42	-	-	-	-	-	7	3	2	1
2.3	1251	4833A	19	0	0	-	-	73	-	-	-	-	-	8	3	1	2
2.3	1251	4833B	3	0	0	1.5	-	29	-	-	-	-	-	8	3	2	1
2.3	1251	4833C	4	0	0	1.2	-	51	-	-	-	-	-	7	3	2	2
2.3	1251	4834A	3	0	0	1.9	-	41	-	-	-	-	-	8	3	2	2
2.3	1251	4834B	2	0	0	1.5	-	14	-	-	-	-	-	8	1	2	2
2.3	1251	4919	6	0	0	1.5	-	115	-	-	-	-	-	7	4	2	1
2.3	1251	4924A	1	0	0	1.2	-	34	-	-	-	-	-	8	5	2	2
2.3	1251	4924B	2	0	0	1.8	-	32	-	-	-	-	-	8	3	1	1
2.3	1257	4710A	13	0	0	1.7	-	181	-	-	-	-	-	8	1	2	2
2.3	1257	4710B	1	0	0	0.9	-	6	-	-	-	-	1	8	3	1	2
2.3	1257	4710C	1	0	0	-	-	4	-	-	-	-	1	2	3	2	2
2.3	1257	4710D	1	0	0	-	-	5	-	-	-	-	1	2	1	1	2
2.3	1257	4714	3	0	0	1.3	-	63	-	-	-	-	-	8	3	2	1
2.3	1262	4712A	0	1	0	0.9	-	6	-	13	-	-	-	8	1	2	2
2.3	1262	4712B	10	0	0	1.4	-	205	-	-	-	-	-	8	3	1	1
2.3	1262	4712C	1	0	0	0.8	-	34	-	-	-	-	-	7	1	2	2
2.3	1265	4605A	2	1	0	1.2	26	80	-	4	-	-	-	7	4	1	2
2.3	1265	4605B	1	0	0	0.8	-	-	-	-	-	-	-	1	2	1	1
2.3	1265	4788A	6	0	0	1.5	-	156	-	-	-	-	-	8	5	1	1
2.3	1265	4788B	6	0	0	-	-	65	-	-	-	-	-	2	1	1	2
2.3	1265	4788C	5	0	0	1.0	-	41	-	-	-	1	-	2	3	1	1
2.3	1265	4788D	1	0	0	1.4	-	20	-	-	-	-	-	7	3	1	1
2.3	1267	4477	1	0	0	0.9	-	22	-	-	-	-	1	2	1	2	2
2.3	1267	4759	1	0	0	0.6	-	22	-	-	-	-	1	8	5	2	2
2.3	1267	4852	0	0	0	-	-	149	-	-	-	-	-	2	1	2	2
2.3	1267	4905A	5	0	0	2.1	-	37	-	-	-	-	-	8	5	2	2
2.3	1267	4905B	3	0	0	1.2	-	59	-	-	-	-	-	8	1	1	2
2.3	1267	4905C	3	0	0	1.0	-	16	-	-	-	-	-	8	1	1	2
2.3	1267	4905D	7	0	0	-	-	124	-	-	-	-	-	2	3	2	2
2.3	1267	4907	5	0	0	1.0	-	35	-	-	-	-	-	8	4	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1267	4926	6	0	0	0.9	-	51	-	-	-	-	-	7	1	1	1
2.3	1267	5057A	13	0	0	1.2	-	122	-	-	-	-	-	7	3	2	2
2.3	1267	5057B	5	0	0	-	-	53	-	-	-	-	-	2	1	2	2
2.3	1268	4789A	7	0	0	1.0	-	59	-	-	-	-	-	8	4	1	1
2.3	1268	4789B	5	0	0	1.4	-	98	-	-	-	-	-	8	3	2	2
2.3	1268	4789C	1	1	0	1.2	-	44	-	-	-	-	-	1	3	1	2
2.3	1270	4781	1	0	0	1.0	-	15	-	-	-	-	-	7	4	2	1
2.3	1272	4782	3	0	0	1.1	-	19	-	-	-	-	1	8	3	2	2
2.3	1274	4841	3	0	0	-	-	9	-	-	-	-	-	1	4	2	2
2.3	1276	4787A	13	0	0	1.0	-	55	-	-	-	-	-	8	2	2	2
2.3	1276	4787B	4	0	0	1.7	-	29	-	-	-	-	-	8	3	2	2
2.3	1276	4787C	1	0	0	1.2	-	9	-	-	-	-	-	8	3	2	2
2.3	1278	4779A	7	0	0	1.5	-	97	-	-	-	-	-	7	3	1	1
2.3	1278	4779B	4	0	0	2.0	-	66	-	-	-	-	-	7	3	2	2
2.3	1278	4779C	3	0	0	1.1	-	19	-	-	-	-	-	8	1	2	2
2.3	1278	4779D	2	0	0	1.0	-	33	-	-	-	-	-	2	1	1	2
2.3	1279	4831A	1	0	0	1.5	-	51	-	-	-	-	-	7	5	2	1
2.3	1279	4831B	3	0	0	1.4	-	33	-	-	-	-	-	7	3	2	1
2.3	1279	4831C	3	0	0	-	-	17	-	-	-	-	-	1	1	2	2
2.3	1281	4720A	5	0	0	-	-	121	-	-	-	-	-	2	1	2	2
2.3	1281	4720B	9	0	0	1.2	-	80	-	-	-	-	-	8	4	1	2
2.3	1281	4772A	1	0	0	2.4	-	27	-	-	-	-	-	1	1	2	2
2.3	1281	4772B	1	0	2	1.2	-	26	-	-	1	-	-	7	5	2	1
2.3	1281	4772C	2	0	0	1.2	-	18	-	-	-	-	-	8	3	2	2
2.3	1281	4772D	2	0	0	-	-	10	-	-	-	-	-	2	1	2	2
2.3	1281	4837A	3	0	0	0.9	-	57	-	-	-	-	-	7	3	2	1
2.3	1281	4837B	2	0	0	2.0	-	48	-	-	-	-	-	8	5	2	2
2.3	1281	4838A	3	0	0	0.8	-	38	-	-	-	-	-	8	4	1	1
2.3	1281	4838B	1	0	0	1.2	-	17	-	-	-	-	-	8	3	2	2
2.3	1281	4838C	2	0	0	1.1	-	11	-	-	-	-	-	1	1	2	1
2.3	1281	4838D	3	0	0	1.0	-	16	-	-	-	-	-	8	3	2	2
2.3	1281	4839	2	0	0	2.8	-	213	-	-	-	-	-	7	5	2	2
2.3	1281	4840	4	0	0	1.0	-	16	-	-	-	-	-	8	1	1	2
2.3	1286	4516	5	0	0	1.6	-	52	-	-	-	-	-	8	1	2	2
2.3	1286	4686	5	1	0	1.4	-	311	-	-	4	-	-	8	1	1	2
2.3	1286	4854	0	1	0	-	-	-	-	-	1	-	-	1	1	1	2
2.3	1286	4856	3	1	0	1.2	-	96	-	-	4	-	-	8	4	2	2
2.3	1286	4923A	0	0	1	2.6	-	73	-	-	-	-	-	8	5	2	2
2.3	1286	4923B	2	0	0	-	-	36	-	-	-	-	-	2	1	2	2
2.3	1286	4984A	7	0	0	1.8	-	74	-	-	-	-	-	8	3	2	1
2.3	1286	4984B	14	0	0	-	-	114	-	-	-	-	-	2	1	1	2
2.3	1286	5018A	14	0	0	1.5	-	217	-	-	-	-	-	8	3	2	2
2.3	1286	5018B	2	0	0	-	-	43	-	-	-	-	-	2	1	1	2
2.3	1286	5059A	37	0	0	1.8	-	303	-	-	-	-	-	8	3	2	1
2.3	1286	5059B	0	0	0	-	-	298	-	-	-	-	-	2	1	2	2
2.3	1287	4844	3	0	0	-	-	4	-	-	-	-	-	8	1	2	2
2.3	1289	4872	1	1	1	0.7	6	545	5	1	5	-	-	8	5	1	2
2.3	1289	4917A	1	0	0	1.0	-	58	-	-	-	-	-	7	1	2	2
2.3	1289	4917B	1	0	0	1.2	-	48	-	-	-	-	-	7	1	2	2
2.3	1289	4963A	2	1	5	1.3	-	62	-	4	1	-	-	8	1	1	2
2.3	1289	4963B	10	0	0	0.9	-	71	-	-	-	-	-	7	5	1	1
2.3	1289	4985A	3	0	0	1.1	-	17	-	-	-	-	-	8	1	2	2
2.3	1289	4985B	1	0	0	-	-	8	-	-	-	-	-	2	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1289	4985C	1	0	0	-	-	2	-	-	-	-	-	2	1	2	2
2.3	1289	4985D	1	0	0	1.0	-	3	-	-	-	-	-	8	5	2	2
2.3	1289	4986A	1	0	0	1.1	-	37	-	-	-	-	-	7	1	2	2
2.3	1289	4986B	1	0	0	1.1	-	29	-	-	-	-	-	7	1	2	2
2.3	1289	4988A	10	1	0	0.7	-	274	-	4	-	-	1	7	1	1	1
2.3	1289	4988B	3	0	0	1.3	-	22	-	-	-	-	-	8	3	2	2
2.3	1289	4989A	1	0	0	1.3	-	29	-	-	-	-	1	7	3	2	2
2.3	1289	4989B	1	0	0	1.7	-	34	-	-	-	-	1	8	3	2	2
2.3	1289	5046	17	0	0	1.7	-	120	-	-	-	-	-	8	1	1	2
2.3	1290	4977A	6	0	0	2.0	-	101	-	-	-	-	-	8	3	2	1
2.3	1290	4977B	4	0	0	1.6	-	42	-	-	-	-	-	8	5	2	1
2.3	1290	4977C	7	0	0	1.3	-	137	-	-	-	-	-	8	1	1	1
2.3	1290	4977D	1	0	0	0.9	-	19	-	-	-	-	-	8	1	2	2
2.3	1290	4977E	1	0	0	-	-	39	-	-	-	-	-	2	1	1	2
2.3	1290	4897	0	0	1	0.5	2	29	-	-	8	-	-	2	3	1	2
2.3	1294	1208A	1	0	0	1.0	-	37	-	-	-	-	-	1	3	2	2
2.3	1294	1208B	1	0	0	1.3	-	35	-	-	-	-	-	1	6	2	2
2.3	1294	1208C	1	0	0	1.7	-	140	-	-	-	-	-	7	3	2	2
2.3	1294	4962	1	0	0	-	-	4	-	-	-	-	-	2	1	1	2
2.3	1294	4994	8	3	1	2.2	-	825	-	4	1	-	-	8	3	1	1
2.3	1294	4998A	1	0	0	2.6	-	100	-	-	-	-	-	1	3	2	2
2.3	1294	4998B	20	0	0	1.8	-	525	-	-	-	-	1	2	3	1	2
2.3	1294	4999	26	0	0	2.0	-	410	-	-	-	-	-	8	1	2	1
2.3	1294	5011A	11	0	0	2.5	-	220	-	-	-	-	-	8	1	2	2
2.3	1294	5011B	23	0	0	1.6	-	205	-	-	-	-	1	8	3	1	1
2.3	1294	5014	8	0	0	1.4	-	99	-	-	-	-	-	7	1	1	2
2.3	1294	5017A	3	0	0	-	-	6	-	-	-	-	-	7	2	2	1
2.3	1294	5017B	2	0	0	-	-	9	-	-	-	-	-	2	1	2	2
2.3	1294	5017C	2	0	0	1.2	-	12	-	-	-	-	-	8	5	2	2
2.3	1294	5017D	1	0	0	1.6	-	4	-	-	-	-	-	1	3	2	2
2.3	1294	5017E	1	0	0	1.2	-	4	-	-	-	-	-	7	3	2	2
2.3	1294	5017F	1	0	0	-	-	2	-	-	-	-	-	8	1	2	2
2.3	1294	5026A	5	2	0	1.1	-	173	-	4	-	-	-	8	5	2	2
2.3	1294	5026B	4	0	0	1.4	-	41	-	-	-	-	-	8	1	1	2
2.3	1294	5044	28	0	2	2.0	-	330	-	-	1	-	-	8	3	2	2
2.3	1294	5061A	1	0	0	1.0	-	23	-	-	-	-	1	1	1	1	2
2.3	1294	5061B	31	0	0	1.8	-	464	-	-	-	-	-	8	4	2	1
2.3	1294	5061C	40	0	0	1.4	-	345	-	-	-	-	-	7	5	2	1
2.3	1294	5061D	1	0	0	-	-	10	-	-	-	-	-	8	2	2	1
2.3	1294	5062A	5	0	0	1.6	-	56	-	-	-	-	-	2	1	1	2
2.3	1294	5062B	3	0	0	0.9	-	22	-	-	-	-	-	1	5	2	2
2.3	1294	5062C	2	0	0	1.3	-	23	-	-	-	-	-	8	3	2	2
2.3	1294	5062D	1	0	0	1.5	-	13	-	-	-	-	-	8	1	2	2
2.3	1294	5066A	37	0	0	2.0	-	880	-	-	-	4	1	8	5	1	1
2.3	1294	5066B	5	0	0	1.5	-	84	-	-	-	-	-	8	3	2	1
2.3	1294	5066C	1	0	0	1.3	-	25	-	-	-	-	-	7	5	1	2
2.3	1294	5066D	1	0	0	1.2	-	8	-	-	-	-	-	8	5	2	1
2.3	1294	5066E	4	0	0	1.0	-	34	-	-	-	-	1	2	1	1	1
2.3	1295	4983	1	0	0	1.3	-	300	-	-	-	-	-	2	1	1	2
2.3	1295	5093	1	1	0	0.6	-	20	-	2	-	-	1	2	1	2	2
2.3	1298	4997	3	3	0	0.6	-	190	-	1	-	-	-	1	3	1	1
2.3	1298	5068A	1	0	0	1.4	-	55	-	-	-	2	1	7	3	1	2
2.3	1298	5068B	6	0	0	1.0	-	86	-	2	-	-	1	7	2	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	1298	5068C	7	0	0	1.5	-	97	-	-	-	-	1	8	4	2	1
2.3	1298	5068D	12	0	0	2.0	-	278	-	-	-	-	-	7	2	2	2
2.3	1298	5068E	8	0	0	1.3	-	74	-	-	-	-	-	7	1	2	2
2.3	1298	5068F	1	0	0	1.4	-	33	-	-	-	-	-	1	3	2	2
2.3	1298	5068G	1	0	0	-	-	7	-	-	-	-	-	2	2	2	2
2.3	1298	5068H	1	0	0	1.0	-	13	-	-	-	-	-	7	3	2	2
2.3	1298	5068I	3	0	0	1.3	-	31	-	-	-	-	-	1	1	2	1
2.3	1298	5100	13	0	1	1.0	-	252	-	-	1	-	1	8	4	1	1
2.3	1307	1404	9	0	1	1.1	-	158	-	-	-	-	-	7	3	1	1
2.3	1307	5077A	4	0	0	2.0	-	79	-	-	-	-	-	7	3	2	2
2.3	1307	5077B	3	0	0	1.4	-	27	-	-	-	-	-	8	3	2	2
2.3	1307	5107A	2	0	0	1.0	-	33	-	-	-	-	-	7	5	1	2
2.3	1307	5107B	1	0	0	2.0	-	55	-	-	-	-	-	8	3	1	2
2.3	1307	5085	1	0	0	1.3	-	-	-	-	-	-	1	2	1	1	2
2.3	1406	4830	1	0	0	-	-	23	-	-	-	-	-	7	3	2	2
2.3	1406	4836A	1	0	0	0.7	-	-	-	-	-	-	-	4	2	1	2
2.3	1406	4836B	1	0	0	-	-	-	-	-	-	-	-	1	1	2	2
2.3	1410	4829A	6	0	0	-	-	91	-	-	-	-	-	7	2	2	2
2.3	1410	4829B	3	0	0	-	-	40	-	-	-	-	-	2	1	2	2
2.3	1411	4904A	4	0	0	0.8	-	16	-	-	-	-	-	7	3	2	2
2.3	1411	4904B	5	0	0	1.5	-	30	-	-	-	4	-	4	5	1	2
2.3	1411	4904C	1	0	0	1.3	-	12	-	-	-	-	-	2	1	2	2
2.3	1411	4848	0	0	0	-	-	1050	-	-	-	-	-	8	3	2	2
2.3	1411	4909	3	0	0	-	-	132	-	-	-	-	-	2	1	1	2
2.3	1666	4902A	1	1	0	0.7	12	91	-	1	-	-	-	8	1	1	2
2.3	1666	4902B	4	2	0	0.8	22	44	-	8	-	-	-	2	1	2	2
2.3	1817	4961	10	0	0	1.5	-	88	-	-	-	-	-	8	3	2	2
2.3	1840	5053A	27	1	0	1.5	-	388	-	2	-	-	-	7	3	2	1
2.3	1840	5053B	9	1	1	1.0	-	230	-	1	1	-	-	1	1	1	2
2.3	1991	4591A	1	0	0	1.2	-	16	-	-	-	-	-	8	3	2	1
2.3	1991	4591B	1	0	0	1.5	-	25	-	-	-	-	-	7	4	1	1
2.3	1992	4692A	0	0	0	-	-	177	-	-	-	-	-	2	1	2	2
2.3	1992	4692B	10	0	0	1.4	-	72	-	-	-	-	-	7	3	2	1
2.3	1993	4408	0	0	2	2.3	-	59	-	-	-	-	-	4	5	2	2
2.3	1993	4706A	5	1	0	0.9	18	197	-	11	-	-	-	1	5	2	2
2.3	1993	4706B	8	0	6	1.5	12	270	-	-	1	-	-	7	4	1	1
2.3	1993	4706C	2	0	0	1.3	-	15	-	-	-	-	-	1	1	2	2
2.3	1993	4706D	1	0	0	1.2	-	8	-	-	-	-	-	8	5	2	1
2.3	2478	2478	0	1	0	1.2	-	45	-	9	-	-	2	4	1	1	2
2.3	2478	5732	1	0	0	1.0	-	10	-	-	-	-	-	4	1	1	2
2.3	2478	5745	1	0	0	0.7	-	3	-	-	-	-	-	4	3	1	2
2.3	2478	5746	1	0	0	0.6	-	3	-	-	-	-	-	2	1	2	2
2.3	2478	5748	1	0	0	0.9	-	13	-	-	-	-	-	3	1	1	2
2.3	2478	5749	1	0	0	0.7	-	15	-	-	-	-	-	3	1	1	2
2.3	2478	5766	2	0	0	1.0	-	15	-	-	-	-	-	3	1	2	2
2.3	2478	5800	0	0	1	0.6	-	3	-	-	1	-	-	2	5	2	2
2.3	2478	5803A	1	0	0	1.6	-	33	-	-	-	-	-	4	1	1	2
2.3	2478	5803B	1	0	0	1.3	-	14	-	-	-	-	-	7	4	2	1
2.3	2478	6002	7	0	0	0.8	-	42	-	-	-	-	-	3	1	1	2
2.3	2478	6084	1	0	0	0.8	-	2	-	-	-	-	-	3	1	2	1
2.3	2478	6168	3	0	0	1.0	-	99	-	-	-	-	2	4	5	2	2
2.3	2779	6668	3	0	1	1.3	-	42	-	-	1	-	-	4	5	2	2
2.3	2799	6286A	43	0	1	1.2	-	1050	-	-	1	-	-	4	3	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
2.3	2799	6286B	22	0	2	1.5	-	1650	-	-	1	-	-	8	5	2	1
2.3	2799	6286C	0	0	0	-	-	390	-	-	-	-	-	2	1	2	2
2.3	2825	6799	1	0	0	1.0	-	19	-	-	-	-	-	4	5	2	2
2.3	2826	6673	1	0	0	1.1	-	11	-	-	-	-	-	4	1	2	1
2.3	2826	6814	1	0	0	0.8	-	5	-	-	-	-	-	8	5	2	2
2.3	2827	2897	2	0	0	2.0	-	32	-	-	-	-	-	4	3	2	2
2.3	2827	6674	1	0	0	1.0	-	18	-	-	-	-	-	4	1	1	2
2.3	2831	6281	0	1	0	1.2	-	-	-	10	-	-	2	4	3	1	2
2.3	2831	6288	3	0	0	1.3	-	112	-	-	-	-	-	3	1	2	1
2.3	2831	6688	3	0	0	1.0	-	22	-	-	-	-	-	4	2	2	2
2.3	2831	6798	1	0	0	1.0	-	5	-	-	-	-	-	4	2	2	2
2.3	2831	6800	10	0	0	1.0	-	79	-	-	-	-	-	4	4	2	2
2.3	2836	6282A	14	0	0	1.6	-	680	-	-	-	-	-	7	3	1	2
2.3	2836	6282B	80	0	1	1.8	-	2100	-	-	1	-	-	2	1	2	2
2.3	2836	6284	0	0	1	1.9	14	-	-	-	1	-	-	8	1	1	2
2.3	2836	6806	7	0	0	1.5	-	89	-	-	-	-	-	8	1	1	2
2.3	2836	6815	1	0	0	1.3	-	32	-	-	-	-	-	4	1	1	2
2.3	2845	6283	0	0	0	-	-	790	-	-	-	-	-	2	3	2	2
2.3	2847	6802	1	0	0	1.3	-	28	-	-	-	-	-	2	1	2	2
2.3	2853	6495	17	0	0	1.7	-	243	-	-	-	-	-	8	3	2	2
2.3	2887	6492	5	0	0	1.7	-	100	-	-	-	-	-	8	5	2	1

PHASE 3

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0641	2915	1	0	0	0.8	-	6	-	-	-	-	-	1	5	2	2
3.1	0646	3189	1	0	0	0.7	-	-	-	-	-	-	-	1	5	2	2
3.1	0720	3729	0	0	1	2.2	20	116	-	-	-	-	-	4	1	2	2
3.1	0721	3727	6	0	0	0.6	-	15	-	-	-	-	-	4	1	1	2
3.1	0793	3194	1	0	0	-	-	19	-	-	-	-	-	3	1	2	2
3.1	0801	3384	0	1	0	0.6	18	14	-	14	-	-	-	4	1	1	2
3.1	0801	3412	1	0	0	1.0	-	14	-	-	-	4	-	3	5	2	2
3.1	0801	3413A	1	0	0	-	-	4	-	-	-	-	-	1	1	2	2
3.1	0801	3413B	1	0	0	1.1	-	3	-	-	-	-	-	3	5	2	2
3.1	0801	3414	4	0	0	0.8	-	19	-	-	-	-	2	3	5	2	2
3.1	0801	3485	2	0	0	0.8	-	21	-	-	-	-	-	3	1	2	2
3.1	0801	3488	1	0	0	1.0	-	48	-	-	-	-	-	3	2	1	2
3.1	0801	3489	0	1	0	-	16	13	-	2	-	-	-	3	1	1	2
3.1	0801	3490	0	1	0	0.5	-	4	-	1	-	-	-	1	1	2	2
3.1	0801	3494	1	0	0	1.0	-	10	-	-	-	-	-	1	5	2	2
3.1	0801	3495	3	0	0	0.8	-	14	-	-	-	-	-	3	2	1	2
3.1	0801	3496	0	2	0	0.6	-	7	-	9	-	-	-	3	2	1	1
3.1	0801	3509	0	0	1	0.8	12	14	-	-	3	-	-	3	2	1	1
3.1	0801	3510	1	0	0	0.6	-	4	-	-	-	1	-	8	5	2	2
3.1	0801	3513	1	0	0	0.8	-	8	-	-	-	-	-	3	5	2	2
3.1	0801	3520	1	0	0	0.7	-	19	-	-	-	4	-	3	3	1	2
3.1	0801	3521	1	0	0	0.5	-	6	-	-	-	4	-	4	3	2	2
3.1	0801	3524	1	0	0	0.7	-	12	-	-	-	4	-	3	1	2	2
3.1	0801	3528	2	0	0	0.7	-	8	-	-	-	4	-	3	1	2	2
3.1	0801	3532	15	0	2	0.7	18	180	-	-	3	4	2	3	1	2	2
3.1	0801	3547	1	0	0	1.4	-	15	-	-	-	-	-	3	1	2	2
3.1	0801	3549A	2	0	0	0.6	-	8	-	-	-	-	-	3	1	1	2
3.1	0801	3549B	1	0	0	0.9	-	13	-	-	-	-	-	3	1	2	2
3.1	0801	3550A	1	0	0	0.8	-	21	-	-	-	-	-	3	1	1	2
3.1	0801	3550B	1	0	0	0.7	-	2	-	-	-	-	-	3	1	1	2
3.1	0801	3550C	1	0	0	-	-	3	-	-	-	-	-	3	1	2	2
3.1	0801	3551	0	0	1	-	-	5	-	-	-	-	-	3	1	2	2
3.1	0801	3552A	1	0	0	1.1	-	33	-	-	-	4	-	3	3	1	2
3.1	0801	3552B	1	0	0	1.0	-	8	-	-	-	-	-	3	3	2	2
3.1	0801	3628	1	0	0	0.5	-	4	-	-	-	4	-	3	1	1	2
3.1	0801	3655	1	0	0	0.9	-	35	-	-	-	-	-	3	5	1	1
3.1	0812	3334	1	0	0	-	-	10	-	-	-	-	-	3	5	1	2
3.1	0812	3335	1	0	0	0.6	-	3	-	-	-	-	-	1	1	1	2
3.1	0812	3381A	1	0	0	1.4	-	35	-	-	-	-	-	3	5	2	1
3.1	0812	3381B	1	0	0	0.7	-	44	-	-	-	-	-	3	3	1	2
3.1	0812	3381C	1	0	0	1.5	-	20	-	-	-	-	-	3	1	1	2
3.1	0812	3386A	1	0	0	1.0	-	14	-	-	-	-	-	3	1	2	2
3.1	0812	3386B	0	0	1	0.7	8	20	-	-	5	-	-	4	2	2	2
3.1	0812	3386C	0	0	1	0.8	-	8	-	-	5	-	-	1	2	1	2
3.1	0812	3387	1	0	0	1.4	-	49	-	-	-	-	-	3	5	2	2
3.1	0812	3388	0	0	1	1.1	14	50	-	-	3	-	-	3	1	2	2
3.1	0812	3389	1	0	0	1.0	-	4	-	-	-	-	-	3	5	1	1
3.1	0812	3390A	4	0	0	1.0	-	41	-	-	-	-	-	3	3	2	2
3.1	0812	3390B	9	0	0	1.6	-	65	-	-	-	-	-	3	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0812	3391A	5	0	1	0.6	-	65	-	-	1	-	-	1	1	2	2
3.1	0812	3391B	9	0	0	0.5	-	33	-	-	-	-	-	1	2	1	2
3.1	0812	3391C	3	0	0	0.6	-	10	-	-	-	2	-	1	1	2	2
3.1	0812	3617	1	0	0	1.0	-	7	-	-	-	-	-	1	5	2	2
3.1	0812	3650	1	0	0	0.7	-	13	-	-	-	-	-	1	3	1	2
3.1	0812	3653	1	0	0	0.7	-	7	-	-	-	-	-	3	1	2	2
3.1	0824	3651A	4	0	0	0.5	-	11	-	-	-	-	-	3	5	2	1
3.1	0824	3651B	1	0	0	0.4	-	2	-	-	-	-	-	3	3	2	2
3.1	0828	3283A	27	5	0	0.6	15	242	-	1	-	-	2	1	5	2	2
3.1	0828	3283B	5	2	0	1.0	-	126	-	7	-	-	2	2	2	2	2
3.1	0828	3283C	3	2	0	0.5	-	37	-	12	-	-	2	2	2	1	2
3.1	0828	3283D	3	0	0	0.6	-	11	-	-	-	-	2	4	3	2	2
3.1	0828	3283E	2	0	0	0.6	-	7	-	-	-	-	-	4	1	1	2
3.1	0828	3283F	1	0	0	-	-	4	-	-	-	-	-	4	1	1	2
3.1	0828	3331	1	0	0	0.5	-	11	-	-	-	-	-	3	1	2	1
3.1	0828	3332	1	0	0	0.7	-	6	-	-	-	-	-	3	3	2	1
3.1	0828	3399	0	0	1	0.8	-	9	-	-	1	-	-	3	1	1	2
3.1	0828	3400	1	0	0	1.0	-	10	-	-	-	-	-	3	5	2	2
3.1	0828	3407	1	0	0	0.6	-	3	-	-	-	-	-	1	3	1	2
3.1	0828	3422	0	0	1	1.0	-	8	-	-	-	-	-	4	1	2	2
3.1	0828	3460	1	0	0	0.8	-	30	-	-	-	-	1	2	3	2	2
3.1	0828	3467	1	0	0	1.0	-	5	-	-	-	-	-	3	1	2	2
3.1	0828	3406	2	0	0	1.0	-	6	-	-	-	-	2	3	3	1	2
3.1	0828	3410	0	1	0	1.0	-	13	-	1	-	-	2	3	1	1	2
3.1	0828	3446	0	1	0	0.8	-	37	-	-	-	-	-	3	1	2	2
3.1	0828	3459	1	0	0	1.8	-	23	-	-	-	-	-	3	1	2	2
3.1	0828	3471	1	0	0	0.7	-	5	-	-	-	-	-	3	1	2	2
3.1	0828	3498	1	0	0	0.9	-	13	-	-	-	-	-	1	5	1	2
3.1	0828	3623A	3	0	0	0.7	-	7	-	-	-	-	2	3	2	2	2
3.1	0828	3623B	3	0	0	0.6	-	7	-	-	-	-	-	1	2	2	2
3.1	0828	3623C	0	0	1	0.7	-	7	-	-	9	-	-	1	1	2	2
3.1	0828	3623D	1	0	0	-	-	5	-	-	-	-	-	3	2	2	2
3.1	0828	3623E	2	0	0	0.8	-	6	-	-	-	-	-	2	3	2	2
3.1	0828	3623F	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
3.1	0828	3623G	2	0	0	0.6	-	10	-	-	-	-	-	1	1	1	2
3.1	0828	3623H	1	0	0	0.5	-	7	-	-	-	-	-	1	5	2	2
3.1	0828	3669A	0	1	0	1.5	-	67	-	2	-	-	-	3	1	1	1
3.1	0828	3669B	1	0	0	1.5	-	66	-	-	-	-	-	1	1	2	2
3.1	0828	3669C	0	1	0	0.9	-	17	-	4	-	-	-	1	5	2	1
3.1	0828	3669D	2	0	0	1.3	-	12	-	-	-	-	-	3	1	2	2
3.1	0828	3669E	1	0	0	1.2	-	17	-	-	-	-	-	2	3	2	2
3.1	0828	3695	5	0	0	0.8	-	29	-	-	-	-	1	3	2	1	2
3.1	0828	3803A	30	1	0	0.7	-	199	-	1	-	-	-	3	3	1	2
3.1	0828	3803B	20	2	4	0.9	-	149	-	1	1	-	2	3	3	2	2
3.1	0828	4138A	5	0	0	1.1	-	34	-	-	-	-	-	3	3	1	1
3.1	0828	4138B	1	0	0	1.3	-	22	-	-	-	-	-	4	5	2	2
3.1	0842	3415	1	0	0	0.7	-	8	-	-	-	2	-	1	1	2	2
3.1	0842	3491	0	2	0	1.6	-	70	-	1	-	-	-	3	1	1	2
3.1	0842	3634	0	1	0	1.3	22	30	-	1	-	-	-	1	1	1	2
3.1	0847	3537	20	1	0	0.8	-	246	-	2	-	-	-	3	5	1	2
3.1	0847	4141A	11	1	0	1.0	-	354	-	1	-	-	2	4	3	1	2
3.1	0847	4141B	3	0	0	2.0	-	77	-	-	-	-	-	7	1	2	2
3.1	0847	4141C	1	0	0	0.4	-	30	-	-	-	-	-	2	3	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0847	4143	24	0	0	1.0	-	180	-	-	-	4	2	4	5	1	2
3.1	0851	3401	0	1	0	0.4	7	4	8	1	-	-	-	1	1	2	2
3.1	0851	3402A	1	0	0	-	-	16	-	-	-	-	-	3	5	1	2
3.1	0851	3402B	1	0	0	1.0	-	50	-	-	-	-	-	4	5	2	2
3.1	0851	3402C	2	0	0	1.1	0	26	-	-	-	-	-	1	7	2	2
3.1	0851	3403	1	0	0	1.3	-	13	-	-	-	-	-	4	3	2	1
3.1	0851	3405	1	0	0	0.9	-	2	-	-	-	-	1	3	2	2	2
3.1	0851	3408	1	0	0	0.8	-	3	-	-	-	-	-	1	3	2	2
3.1	0851	3416	1	0	0	0.8	-	3	-	-	-	-	-	3	5	2	2
3.1	0851	3420	3	1	0	0.6	-	22	-	1	-	-	-	3	1	1	2
3.1	0851	3450A	1	0	0	1.0	-	8	-	-	-	-	-	3	1	2	2
3.1	0851	3450B	3	0	0	1.0	-	25	-	-	-	1	-	3	2	2	2
3.1	0851	3456	0	0	1	-	12	-	-	-	-	-	-	3	1	2	2
3.1	0851	3457A	1	0	0	-	-	29	-	-	-	-	-	3	1	2	2
3.1	0851	3457B	1	0	0	1.0	-	11	-	-	-	-	-	3	5	2	2
3.1	0851	3456A	0	0	0	0.8	-	145	-	-	-	-	-	1	3	2	2
3.1	0851	3456B	1	0	0	0.8	-	12	-	-	-	-	-	1	1	2	2
3.1	0851	3456C	1	0	0	0.9	-	9	-	-	-	-	-	3	2	2	2
3.1	0851	3458A	1	0	0	1.0	-	23	-	-	-	-	-	3	5	1	2
3.1	0851	3458B	1	0	0	0.6	-	8	-	-	-	-	1	3	5	2	2
3.1	0851	3458C	0	1	0	0.5	-	3	-	1	-	-	1	1	1	2	2
3.1	0851	3461	0	0	1	0.8	-	10	-	-	1	-	-	1	2	1	2
3.1	0851	3472	1	0	0	-	-	9	-	-	-	-	-	3	3	1	2
3.1	0851	3473	1	0	0	0.8	-	18	-	-	-	-	2	3	1	1	2
3.1	0851	3492	0	0	1	0.8	-	16	2	-	1	-	-	3	2	2	2
3.1	0851	3511	1	0	0	0.6	-	12	-	-	-	-	-	4	5	2	2
3.1	0851	3512	1	0	0	0.7	-	8	-	-	-	-	-	3	2	1	2
3.1	0851	3514A	1	0	0	0.9	-	5	-	-	-	-	-	3	2	1	2
3.1	0851	3514B	17	0	0	0.5	20	63	-	-	1	-	2	3	2	2	2
3.1	0851	3514C	1	0	0	1.1	-	6	-	-	-	-	1	3	2	1	1
3.1	0851	3514D	1	0	0	1.1	-	8	-	-	-	-	-	4	1	2	1
3.1	0851	3514E	1	0	0	0.9	-	7	-	-	-	-	-	3	1	1	2
3.1	0851	3514F	1	0	0	0.6	-	4	-	-	-	-	-	1	1	2	2
3.1	0851	3540	1	0	0	0.9	-	14	-	-	-	-	1	1	2	1	2
3.1	0851	3541	1	0	0	1.5	-	50	-	-	-	-	-	3	1	2	2
3.1	0851	3546A	0	0	1	0.6	-	6	-	-	1	-	1	1	2	2	2
3.1	0851	3546B	1	0	0	0.9	-	13	-	-	-	-	-	1	1	1	2
3.1	0851	3567	1	0	0	0.9	-	9	-	-	-	4	3	3	2	2	2
3.1	0851	3568	1	0	0	0.5	-	9	-	-	-	-	2	3	5	2	2
3.1	0851	3573A	1	0	0	1.5	-	62	-	-	-	-	-	3	5	2	2
3.1	0851	3573B	1	0	0	1.5	-	31	-	-	-	4	2	3	5	2	2
3.1	0851	3588	0	1	0	0.9	-	13	-	7	-	4	2	2	3	2	2
3.1	0851	3615A	1	0	0	1.0	-	38	-	-	-	-	2	1	3	2	2
3.1	0851	3615B	1	0	0	1.0	-	18	-	-	-	4	-	1	5	2	1
3.1	0851	3616A	1	0	0	0.8	-	10	-	-	-	4	-	3	1	2	2
3.1	0851	3616B	1	0	0	1.0	-	14	-	-	-	-	-	3	5	2	2
3.1	0851	3619A	0	1	0	0.6	-	4	-	1	-	-	-	2	3	2	2
3.1	0851	3619B	0	1	0	0.8	20	24	-	-	-	4	3	1	2	2	1
3.1	0851	3619C	0	0	1	1.1	-	6	-	-	-	-	-	1	5	2	2
3.1	0851	3619D	2	0	0	1.2	-	25	-	-	-	-	-	3	3	2	1
3.1	0851	3619E	1	0	0	1.0	-	19	-	-	-	-	-	1	3	2	2
3.1	0851	3619F	1	0	0	1.7	-	6	-	-	-	-	-	8	3	2	2
3.1	0851	3619G	1	0	0	1.7	-	6	-	-	-	-	-	3	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0851	3619H	1	0	0	0.8	-	4	-	-	-	-	-	1	1	2	2
3.1	0851	3619I	1	0	0	0.7	-	3	-	-	-	-	-	1	3	2	2
3.1	0851	3668A	1	0	0	0.7	-	10	-	-	-	-	2	1	1	2	2
3.1	0851	3668B	0	1	0	0.5	-	3	-	1	-	-	-	2	1	2	2
3.1	0851	3668C	1	0	0	0.6	-	6	-	-	-	-	2	1	1	2	2
3.1	0851	3668D	0	0	2	1.0	-	20	-	-	1	-	-	3	1	2	2
3.1	0851	3668E	1	0	0	1.0	-	12	-	-	-	-	-	1	5	2	2
3.1	0851	3668F	1	0	0	1.1	-	11	-	-	-	4	-	4	1	2	2
3.1	0851	3668G	1	0	0	0.6	-	4	-	-	-	-	-	2	3	2	1
3.1	0851	3668H	1	0	0	0.9	-	7	-	-	-	-	-	1	5	2	2
3.1	0851	3668I	1	0	0	0.6	-	3	-	-	-	-	-	2	5	2	2
3.1	0851	3668J	0	0	1	0.7	-	6	-	-	-	-	-	1	1	2	2
3.1	0851	3724A	0	1	0	1.2	-	9	-	7	-	-	2	4	5	2	2
3.1	0851	3724B	0	1	0	0.5	-	2	-	-	-	-	2	1	1	2	2
3.1	0851	3724C	5	0	0	0.9	-	17	-	-	-	-	-	3	3	2	2
3.1	0851	3759	1	0	0	0.5	-	4	-	-	-	-	-	3	3	2	2
3.1	0851	3836A	1	1	0	0.8	-	18	-	1	-	-	4	3	2	2	1
3.1	0851	3836B	1	0	0	1.4	-	17	-	-	-	-	-	8	5	2	2
3.1	0851	3836C	3	0	0	0.6	-	8	-	-	-	-	-	3	1	2	2
3.1	0853	4139A	6	0	2	1.3	-	94	-	-	-	-	2	4	1	1	2
3.1	0853	4139B	2	0	0	0.9	-	17	-	-	-	-	-	4	5	2	2
3.1	0853	4139C	1	0	0	0.7	-	6	-	-	-	-	-	4	1	1	1
3.1	0853	4139D	2	0	0	0.6	-	15	-	-	-	-	-	4	5	1	1
3.1	0854	3392	1	0	0	0.6	-	5	-	-	-	-	-	3	5	1	2
3.1	0854	3393	1	0	0	0.8	-	17	-	-	-	1	-	3	1	2	2
3.1	0854	3482A	0	1	0	1.0	-	31	-	1	-	-	2	1	1	1	2
3.1	0854	3482B	2	1	0	-	-	8	-	-	-	-	2	3	1	2	2
3.1	0854	3508	0	0	1	0.8	-	10	-	-	1	-	-	3	1	2	2
3.1	0854	3693A	19	2	4	0.7	9	217	7	10	1	-	-	2	4	1	2
3.1	0854	3693B	8	0	1	1.6	18	97	-	-	1	-	-	3	3	2	2
3.1	0854	3693C	1	0	0	0.9	-	10	-	-	-	-	-	1	2	2	2
3.1	0854	3693D	2	0	0	-	-	9	-	-	-	-	-	3	1	2	2
3.1	0854	3693E	1	0	0	0.6	-	3	-	-	-	-	-	1	4	2	2
3.1	0854	3693F	2	0	0	0.5	-	5	-	-	-	-	-	2	3	2	2
3.1	0854	3693G	1	0	0	0.7	-	4	-	-	-	-	-	2	2	2	2
3.1	0863	3398	1	0	0	0.5	-	7	-	-	-	-	-	1	3	1	2
3.1	0863	3404	1	0	0	0.8	-	3	-	-	-	-	-	2	2	2	2
3.1	0866	3671A	0	1	0	0.5	-	9	-	12	-	-	2	1	1	2	2
3.1	0866	3671B	0	0	1	0.5	14	43	-	-	1	-	-	1	3	2	1
3.1	0866	3671C	1	0	0	1.0	-	10	-	-	-	-	-	2	3	2	2
3.1	0866	3671D	1	0	0	1.1	-	19	-	-	-	-	-	1	1	2	2
3.1	0866	3671E	1	0	0	0.6	-	5	-	-	-	-	-	2	1	2	2
3.1	0866	3808A	10	0	0	0.7	-	38	-	-	-	-	-	3	3	2	2
3.1	0866	3808B	8	0	0	1.4	-	33	-	-	-	-	-	4	1	1	2
3.1	0866	3808C	7	0	0	1.1	-	80	-	-	-	-	-	4	1	2	2
3.1	0866	3808D	1	0	0	0.7	-	10	-	-	-	-	-	4	5	2	2
3.1	0866	3808E	1	0	0	1.0	-	10	-	-	-	-	-	4	3	2	2
3.1	0866	3808F	0	1	0	0.5	-	3	-	2	-	-	-	1	2	2	2
3.1	0867	3423	1	0	0	0.7	-	9	-	-	-	-	-	3	5	1	2
3.1	0867	3452	1	0	0	0.8	-	5	-	-	-	-	-	3	1	1	2
3.1	0867	3455	1	0	0	1.8	-	109	-	-	-	-	-	3	1	2	2
3.1	0867	3464	1	0	0	1.1	-	12	-	-	-	-	-	3	3	2	2
3.1	0867	3465	2	0	0	0.6	-	13	-	-	-	-	-	3	1	2	2

PH	COM	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0867	3466	1	0	0	-	-	5	-	-	-	-	-	3	5	2	2
3.1	0867	3477	1	0	0	-	-	6	-	-	-	-	-	1	1	2	2
3.1	0867	3478A	1	0	0	1.1	-	36	-	-	-	-	-	3	3	2	2
3.1	0867	3478B	1	0	0	0.8	-	11	-	-	-	-	-	3	2	1	2
3.1	0867	3636	1	0	0	1.0	-	45	-	-	-	-	-	3	1	2	2
3.1	0867	3638A	0	1	0	0.7	22	39	-	1	-	-	-	1	3	1	2
3.1	0867	3638B	1	0	0	1.5	-	12	-	-	-	-	-	3	3	1	2
3.1	0867	3638C	1	0	0	1.0	-	9	-	-	-	-	-	3	1	2	2
3.1	0868	3522	1	0	0	0.9	-	4	-	-	-	-	-	2	2	2	2
3.1	0868	3523	1	0	0	0.7	-	12	-	-	-	-	-	3	1	2	2
3.1	0868	3525	1	0	0	1.0	-	34	-	-	-	-	-	3	1	2	2
3.1	0872	3410	1	0	0	0.9	-	14	-	-	-	1	-	3	3	2	2
3.1	0872	3645	1	0	0	0.6	-	8	-	-	-	-	-	3	1	1	2
3.1	0873	3417	0	0	1	1.0	-	10	-	-	-	-	-	3	5	2	2
3.1	0873	3418	1	0	0	1.0	-	2	-	-	-	-	-	3	5	2	2
3.1	0873	3419	1	0	0	0.8	-	6	-	-	-	-	-	3	1	2	2
3.1	0873	3424	1	0	0	0.4	-	2	-	-	-	-	-	4	3	2	2
3.1	0873	3444	1	0	0	1.1	-	3	-	-	-	-	-	3	5	2	2
3.1	0873	3447	1	0	0	0.5	-	6	-	-	-	-	-	3	1	2	2
3.1	0873	3448	1	0	0	1.4	-	56	-	-	-	-	-	3	3	2	2
3.1	0873	3451	1	0	0	1.0	-	14	-	-	-	-	-	3	2	2	2
3.1	0873	3453A	1	0	0	1.2	-	25	-	-	-	-	-	3	1	2	2
3.1	0873	3453B	1	0	0	1.1	-	11	-	-	-	-	-	3	1	2	2
3.1	0873	3454	1	0	0	0.5	-	12	-	-	-	-	-	3	1	2	2
3.1	0873	3469	10	0	0	0.7	-	58	-	-	-	2	-	1	1	1	2
3.1	0873	3483	1	0	0	1.0	-	7	-	-	-	-	-	3	2	1	2
3.1	0873	3501	0	1	0	1.0	-	4	-	1	-	-	-	3	1	2	2
3.1	0873	3502	0	1	0	0.9	-	1	-	1	-	-	-	4	1	2	2
3.1	0873	3503A	2	1	0	1.1	-	30	-	7	-	-	2	3	2	1	2
3.1	0873	3503B	2	1	0	-	-	21	-	-	-	-	-	4	1	1	2
3.1	0873	3504	1	0	0	1.5	-	7	-	-	-	-	-	3	1	2	2
3.1	0873	3517A	1	0	0	1.2	-	39	-	-	-	-	-	3	1	2	2
3.1	0873	3517B	1	0	0	0.5	-	12	-	-	-	-	-	3	3	1	2
3.1	0873	3518	1	0	0	0.5	-	3	-	-	-	-	-	3	2	2	2
3.1	0873	3519	1	0	0	1.6	-	21	-	-	-	-	-	3	1	1	2
3.1	0873	3524	1	0	0	0.6	-	11	-	-	-	4	-	3	5	1	2
3.1	0873	3533	1	0	0	1.0	-	10	-	-	-	-	-	1	5	2	2
3.1	0873	3535	4	0	0	1.1	-	17	-	-	-	-	2	3	1	2	2
3.1	0873	3538A	1	0	0	-	-	8	-	-	-	-	-	3	1	1	2
3.1	0873	3538B	1	0	0	0.6	-	9	-	-	-	-	-	1	2	1	2
3.1	0873	3539	0	0	2	0.7	-	24	-	-	7	4	-	3	5	2	2
3.1	0873	3626A	1	0	0	1.0	-	7	-	-	-	-	-	3	1	2	2
3.1	0873	3626B	1	0	0	0.9	-	4	-	-	-	-	-	3	5	2	2
3.1	0873	3626C	1	0	0	1.0	-	8	-	-	-	-	-	1	1	2	2
3.1	0873	3626D	1	0	0	0.8	-	4	-	-	-	-	-	3	1	2	2
3.1	0873	3632A	1	0	0	1.0	-	4	-	-	-	-	-	3	1	2	2
3.1	0873	3632B	1	0	0	0.8	-	6	-	-	-	-	-	1	1	2	2
3.1	0873	3694A	11	0	0	0.8	14	205	7	-	-	-	-	1	3	1	1
3.1	0873	3694B	0	1	0	1.7	-	33	-	7	-	-	1	3	1	2	2
3.1	0873	3694C	1	0	0	0.5	-	6	-	-	-	-	2	1	2	2	2
3.1	0873	3694D	0	1	0	0.8	-	6	-	7	-	-	2	1	1	2	2
3.1	0873	3694E	0	1	0	1.0	-	7	-	1	-	-	2	1	1	2	2
3.1	0873	3694F	1	0	0	0.7	-	8	-	-	-	-	-	3	2	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0873	3694G	2	0	0	0.5	-	65	-	-	-	-	-	3	1	1	2
3.1	0873	3694H	1	0	0	1.1	-	12	-	-	-	-	-	3	1	2	2
3.1	0873	3694I	3	0	0	0.7	-	36	-	-	-	-	-	3	1	2	2
3.1	0873	3694J	8	0	0	1.0	-	50	-	-	1	-	-	2	1	1	2
3.1	0873	3694K	7	0	0	0.6	-	25	-	-	-	-	-	1	3	1	2
3.1	0873	3694L	1	0	0	1.0	-	104	-	-	-	-	-	3	1	2	2
3.1	0873	3694M	1	0	0	0.7	-	9	-	-	-	-	-	3	5	2	2
3.1	0873	4142A	20	0	1	0.8	-	109	-	-	1	-	2	1	5	1	2
3.1	0873	4142B	4	0	0	0.7	-	13	-	-	-	-	-	3	3	1	1
3.1	0873	4142C	9	0	0	1.0	-	35	-	-	-	-	2	3	1	1	2
3.1	0873	4144A	12	1	4	0.8	13	300	-	12	1	-	2	3	3	1	2
3.1	0873	4144B	5	0	0	0.7	-	29	-	-	-	-	2	3	3	1	2
3.1	0873	4144C	3	0	0	1.0	-	28	-	-	-	-	-	3	1	2	2
3.1	0873	4144D	0	0	0	-	-	4	-	-	-	-	-	2	1	2	2
3.1	0873	4144E	1	0	1	0.7	-	7	-	-	1	-	1	3	3	2	2
3.1	0873	4144F	1	0	0	1.4	-	20	-	-	-	-	-	3	2	1	1
3.1	0873	4144G	4	0	0	0.8	-	14	-	-	-	-	-	4	3	1	2
3.1	0873	4144H	9	0	0	0.7	-	54	-	-	-	4	-	3	5	1	2
3.1	0873	4144I	3	0	2	0.7	-	56	-	-	1	-	-	3	2	1	2
3.1	0873	4144J	4	0	0	1.1	-	74	-	-	-	-	2	3	1	2	2
3.1	0875	3801A	15	0	10	1.0	12	307	-	-	1	-	-	3	1	2	2
3.1	0875	3801B	2	0	0	1.8	-	50	-	-	-	-	-	3	3	2	2
3.1	0875	3801C	2	0	0	0.7	-	80	-	-	-	-	-	4	1	1	2
3.1	0875	3820A	0	1	0	0.6	22	18	-	7	-	4	2	4	1	2	2
3.1	0875	3820B	4	0	0	0.8	-	21	-	-	-	-	-	4	3	1	2
3.1	0875	3820C	3	0	0	0.6	-	15	-	-	-	-	-	4	3	1	2
3.1	0875	3847	1	0	0	0.4	-	3	-	-	-	-	-	4	2	1	2
3.1	0875	3926A	17	0	0	0.7	-	94	-	-	-	-	-	4	1	2	2
3.1	0875	3926B	1	0	0	1.6	-	113	-	-	-	-	-	4	3	2	2
3.1	0875	3926C	2	1	0	0.5	-	8	-	1	-	-	-	4	1	2	2
3.1	0875	3926D	3	0	0	0.7	-	21	-	-	-	-	-	3	1	2	2
3.1	0875	4165A	1	1	0	0.7	-	30	-	14	-	-	1	1	2	1	2
3.1	0875	4165B	1	0	0	1.1	-	71	-	-	-	-	-	4	1	2	2
3.1	0875	4165C	2	0	0	1.4	-	61	-	-	-	-	-	3	1	2	2
3.1	0875	4165D	1	0	1	0.7	-	43	-	-	1	-	-	3	1	2	2
3.1	0875	4165E	1	0	0	0.5	-	8	-	-	-	-	-	4	1	2	2
3.1	0875	4165F	1	0	0	0.8	-	6	-	-	-	4	2	3	3	2	2
3.1	0876	3526	1	0	0	-	-	13	-	-	-	-	-	3	1	2	2
3.1	0876	3527	1	0	0	0.8	-	13	-	-	-	-	-	1	1	2	2
3.1	0876	3529	1	0	0	0.4	-	6	-	-	-	-	-	1	1	2	2
3.1	0876	3531	1	0	0	-	-	4	-	-	-	-	-	2	1	2	2
3.1	0876	3557	1	0	0	-	-	6	-	-	-	-	-	3	2	1	2
3.1	0878	3553	1	0	0	1.1	-	5	-	-	-	-	-	3	2	1	2
3.1	0878	3554	1	0	0	1.0	-	4	-	-	-	-	2	1	1	2	2
3.1	0878	3555	1	0	0	0.7	-	5	-	-	-	-	-	3	2	1	2
3.1	0878	3556	1	0	0	1.0	-	3	-	-	-	-	-	1	2	2	2
3.1	0883	3640	1	0	0	0.9	-	4	-	-	-	-	-	3	2	2	2
3.1	0884	3462	1	0	0	0.6	-	23	-	-	-	2	-	5	5	2	2
3.1	0884	3475	1	0	0	0.5	-	7	-	-	-	2	-	1	1	2	2
3.1	0887	3499	1	0	0	1.3	-	48	7	-	-	-	-	8	3	2	2
3.1	0887	3558	1	0	0	1.0	-	21	-	-	-	-	-	8	5	2	2
3.1	0887	3559	1	0	0	0.7	-	7	-	-	-	2	-	1	5	2	2
3.1	0890	3723A	7	0	0	0.9	-	109	-	-	-	-	-	3	3	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0890	3723B	1	0	0	1.4	-	4	-	-	-	-	-	3	1	2	2
3.1	0890	3723C	1	0	0	0.4	-	4	-	-	-	-	-	3	3	1	2
3.1	0890	3723D	0	1	4	1.0	-	40	-	1	1	-	-	3	1	2	2
3.1	0892	3515	1	0	0	0.5	-	5	-	-	-	-	-	1	1	2	2
3.1	0892	3516A	0	1	0	0.9	-	13	-	7	-	-	2	1	2	1	2
3.1	0892	3516B	1	0	0	1.0	-	10	-	-	-	-	-	3	2	2	1
3.1	0892	3548	1	0	0	0.8	-	15	-	-	-	-	-	3	5	2	2
3.1	0892	3705	0	1	0	-	-	5	-	7	-	-	-	3	2	1	2
3.1	0894	3586	1	0	1	0.8	-	22	-	-	1	-	-	4	5	2	2
3.1	0894	3591	5	0	0	1.2	-	248	-	-	-	4	-	3	2	2	2
3.1	0894	3670A	0	0	1	0.8	-	50	-	-	7	-	-	3	5	2	2
3.1	0894	3670B	0	0	1	1.0	18	51	-	-	1	4	-	1	5	2	2
3.1	0894	3670C	1	0	1	0.7	18	70	-	-	-	4	-	3	5	2	2
3.1	0894	3670D	0	0	1	0.9	-	34	-	-	-	4	-	4	1	2	2
3.1	0894	3670E	0	0	1	0.6	-	88	-	-	-	-	-	3	5	2	1
3.1	0894	3670F	0	0	1	0.9	-	16	-	-	-	-	-	3	5	2	2
3.1	0894	3670G	4	0	0	1.5	-	102	-	-	-	4	-	3	5	2	2
3.1	0894	3670H	12	0	0	1.1	-	107	-	-	-	4	-	3	2	1	2
3.1	0894	3670I	3	0	0	0.6	-	21	-	-	-	4	-	4	3	2	2
3.1	0894	3670J	2	0	0	0.9	-	-	-	-	-	-	-	4	3	2	1
3.1	0894	3670K	3	0	0	0.7	-	21	-	-	-	-	-	3	2	1	2
3.1	0894	3760A	0	1	0	1.5	-	14	-	2	-	-	2	3	2	2	2
3.1	0894	3760B	5	0	0	1.4	-	234	-	-	-	-	2	3	2	1	1
3.1	0894	3760C	1	1	0	0.7	-	30	-	7	-	-	2	3	1	2	2
3.1	0894	3760D	0	1	0	1.0	-	17	-	7	-	-	-	3	1	2	2
3.1	0894	3760E	0	1	0	-	-	4	-	7	-	4	-	3	1	2	2
3.1	0894	3760F	0	0	1	1.1	-	10	-	7	-	4	-	3	1	2	2
3.1	0894	3700	4	0	1	0.6	11	228	2	-	1	-	-	1	1	1	2
3.1	0894	3701	7	0	1	1.7	-	256	-	-	-	4	-	3	3	2	2
3.1	0894	3702A	24	0	2	1.2	-	398	-	-	-	-	2	3	1	1	2
3.1	0894	3702B	2	0	1	0.6	-	17	-	-	-	-	-	1	5	2	2
3.1	0894	3702C	1	0	0	0.6	-	9	-	-	-	-	-	1	1	2	2
3.1	0894	3702D	5	0	0	1.0	-	57	-	-	-	-	-	4	3	2	2
3.1	0894	3702E	3	0	0	0.8	-	21	-	-	-	-	-	4	1	1	2
3.1	0894	3702F	1	0	0	0.5	-	7	-	-	-	-	-	1	1	2	2
3.1	0894	3702G	1	0	0	-	-	5	-	-	-	-	-	1	3	2	2
3.1	0894	3707	3	0	0	1.0	-	11	-	-	-	-	-	3	3	2	2
3.1	0894	3737A	0	0	2	-	-	6	-	-	1	-	-	3	1	2	2
3.1	0894	3737B	1	1	0	1.3	-	55	-	2	-	-	2	3	3	2	2
3.1	0894	3737C	20	0	0	1.2	-	73	-	-	-	-	-	3	4	2	2
3.1	0894	3739	9	0	0	1.3	-	254	-	-	-	4	2	3	3	2	2
3.1	0894	3760A	9	3	0	1.0	-	641	-	7	-	-	2	3	1	1	2
3.1	0894	3760B	0	1	0	1.4	-	14	-	2	-	4	1	3	1	2	2
3.1	0894	3811A	21	0	2	1.1	-	294	-	1	-	-	2	3	1	1	2
3.1	0894	3811B	7	0	0	0.8	-	97	-	-	-	-	-	4	1	1	2
3.1	0894	3811C	0	1	0	-	-	44	-	7	-	-	2	3	1	1	2
3.1	0894	4140A	6	4	0	0.8	-	57	-	1	-	-	2	4	1	1	1
3.1	0894	4140B	4	0	0	1.2	-	25	-	-	-	-	-	4	2	1	1
3.1	0894	4140C	7	0	0	1.0	-	98	-	-	-	-	-	4	3	2	1
3.1	0898	3624	1	0	0	0.6	-	6	-	-	-	2	-	2	3	1	2
3.1	0903	3621	2	0	0	0.5	-	49	-	-	-	2	-	1	2	1	2
3.1	0903	3726	3	0	0	0.7	-	32	-	-	-	2	-	1	3	1	2
3.1	0903	3917	1	0	0	0.8	-	16	-	-	-	2	-	6	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0906	4016	6	0	1	1.2	-	351	-	-	3	-	5	4	5	2	2
3.1	0906	4029A	2	5	0	0.7	-	171	-	7	-	4	2	4	2	1	2
3.1	0906	4029B	5	1	5	1.2	-	167	-	7	1	4	2	4	4	1	2
3.1	0906	4029C	1	2	0	1.3	-	69	-	-	-	-	1	4	4	1	2
3.1	0906	4029D	90	0	0	1.3	-	1000	-	-	-	-	-	4	3	2	2
3.1	0906	4145A	20	3	0	1.0	-	420	-	7	-	4	2	3	1	2	2
3.1	0906	4145B	1	0	0	1.2	-	41	-	-	-	4	2	4	3	2	2
3.1	0906	4145C	1	0	0	0.5	-	9	-	-	-	-	-	4	5	2	2
3.1	0906	4146A	13	3	0	1.2	-	680	-	7	-	-	2	3	3	1	2
3.1	0906	4146B	1	0	0	0.6	-	13	-	-	-	-	-	4	3	2	2
3.1	0908	3692A	15	0	2	0.8	14	348	-	-	3	-	-	4	1	2	2
3.1	0908	3692B	1	0	0	1.0	-	18	-	-	-	-	-	3	5	2	2
3.1	0908	3712A	6	1	0	1.1	-	177	-	7	-	-	2	3	1	2	2
3.1	0908	3712B	0	1	8	1.2	-	67	-	2	-	-	2	4	1	1	2
3.1	0908	3712C	1	0	0	1.0	-	25	-	-	-	-	-	3	5	2	2
3.1	0908	3712D	5	2	0	0.6	-	60	-	-	-	-	2	4	1	1	2
3.1	0908	3712E	3	0	0	1.7	-	61	-	-	-	-	-	8	4	2	1
3.1	0908	3712F	6	0	0	1.1	-	20	-	-	-	-	-	6	2	2	2
3.1	0908	3712G	2	0	0	1.0	-	13	-	-	-	-	-	2	3	2	2
3.1	0908	3712H	2	0	0	1.0	-	26	-	-	-	-	-	4	5	1	2
3.1	0908	3712I	4	0	0	0.6	-	16	-	-	-	-	-	2	1	2	2
3.1	0908	3712J	1	0	0	0.7	-	8	-	-	-	-	-	2	1	2	2
3.1	0908	3712K	1	0	0	-	-	53	-	-	-	-	-	1	1	2	2
3.1	0908	3788	0	1	0	0.8	-	11	-	7	-	-	1	4	1	2	2
3.1	0908	3819A	2	0	0	1.3	-	14	-	-	-	-	-	8	2	2	2
3.1	0908	3819B	2	0	0	1.0	-	8	-	-	-	-	-	4	3	2	2
3.1	0908	3929A	2	0	0	-	-	72	-	-	-	-	-	2	1	2	2
3.1	0908	3929B	1	0	0	0.6	-	6	-	-	-	4	-	4	3	2	1
3.1	0908	3929C	1	0	0	1.3	-	46	-	-	-	4	-	4	3	2	2
3.1	0908	3929D	1	0	1	1.0	-	46	-	-	1	4	-	4	3	2	2
3.1	0911	3613	1	0	0	0.7	-	11	-	-	-	-	-	3	1	1	2
3.1	0911	3736A	1	0	0	0.4	-	4	-	-	-	-	-	4	1	1	2
3.1	0911	3736B	1	0	0	0.9	-	28	-	-	-	1	-	8	1	1	2
3.1	0911	3736C	8	0	0	0.9	-	67	-	-	-	-	-	4	5	1	1
3.1	0911	3736D	5	0	0	0.7	-	21	-	-	-	-	-	3	1	2	2
3.1	0911	3816A	5	0	0	-	-	110	-	-	-	-	-	1	1	2	2
3.1	0911	3816B	1	0	0	0.8	-	5	-	-	-	-	-	4	4	2	2
3.1	0911	3818	5	0	1	0.9	-	92	-	-	1	4	-	4	5	2	2
3.1	0919	3560	0	1	0	0.5	22	47	1	2	-	-	-	1	1	1	2
3.1	0920	3708	1	0	0	-	-	2	-	-	-	-	-	1	1	2	2
3.1	0925	3575	0	0	1	1.9	20	62	-	-	1	-	-	3	1	2	2
3.1	0925	3691	1	2	6	1.1	28	1528	-	9	3	-	-	3	5	1	2
3.1	0925	3740A	24	0	0	0.6	-	63	-	-	-	-	-	3	1	1	2
3.1	0925	3740B	0	2	0	0.5	18	66	-	12	-	-	2	3	1	1	2
3.1	0925	3740C	0	2	0	0.6	-	12	-	2	-	-	-	3	1	1	2
3.1	0925	3817A	0	1	5	1.2	-	148	-	7	1	-	1	3	4	1	2
3.1	0925	3817B	3	0	2	1.0	20	81	-	-	1	-	-	3	1	1	2
3.1	0925	3817C	9	0	4	0.8	-	102	-	-	3	-	-	4	2	1	2
3.1	0925	3817D	0	0	4	0.7	-	44	-	-	3	-	-	3	1	2	2
3.1	0925	3817E	2	0	0	2.0	-	22	-	-	-	-	-	7	1	2	2
3.1	0925	3817F	2	0	0	1.5	-	15	-	-	-	4	-	3	5	2	2
3.1	0925	3817G	4	0	0	0.8	-	29	-	-	-	-	-	3	5	2	2
3.1	0925	3817H	1	0	2	0.8	-	14	-	-	-	4	-	4	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0925	3817I	2	0	0	0.8	-	15	-	-	-	-	-	4	5	2	2
3.1	0925	3817J	1	0	0	0.6	-	9	-	-	-	-	-	4	1	2	2
3.1	0925	3822A	0	1	0	0.8	-	11	-	9	-	-	-	4	5	2	2
3.1	0925	3822B	0	0	1	1.3	11	74	-	-	1	-	-	3	1	2	2
3.1	0925	3822C	0	0	1	0.6	-	26	-	-	1	4	-	4	5	2	1
3.1	0925	3822D	3	0	0	1.1	-	48	-	-	-	-	-	2	3	1	2
3.1	0925	3822E	4	0	0	1.0	-	50	-	-	-	-	-	4	1	1	2
3.1	0925	3822F	1	0	0	1.7	-	13	-	-	-	-	-	4	3	2	2
3.1	0925	3822G	1	0	0	0.9	-	8	-	-	-	-	-	4	1	1	2
3.1	0925	3822H	2	0	0	1.3	-	37	-	-	-	-	-	4	3	2	2
3.1	0925	3822I	1	0	0	0.9	-	15	-	-	-	-	-	2	1	1	2
3.1	0925	3944A	10	0	0	1.2	-	286	-	-	-	-	-	4	1	2	2
3.1	0925	3944B	2	0	0	0.6	-	11	-	-	-	-	-	4	2	2	2
3.1	0925	4166A	1	0	1	1.5	24	90	-	-	-	-	-	3	2	2	2
3.1	0925	4166B	1	0	0	0.8	-	22	-	-	-	-	-	3	2	2	2
3.1	0930	3697A	9	0	0	0.5	-	60	-	-	-	-	-	3	5	2	2
3.1	0930	3697B	1	0	0	-	-	21	-	-	-	-	-	1	1	2	2
3.1	0930	3697C	1	0	0	-	-	6	-	-	-	-	-	3	2	2	2
3.1	0930	3717	2	0	0	0.5	-	11	-	-	-	-	-	4	1	2	2
3.1	0930	3718	9	0	0	0.9	-	36	-	-	-	-	-	3	1	1	2
3.1	0930	3764	1	0	0	0.7	-	6	-	-	-	-	-	4	5	2	2
3.1	0930	3809	2	0	1	-	-	34	-	-	1	-	-	3	1	2	2
3.1	0930	3841A	4	0	0	-	-	8	-	-	-	-	1	3	1	1	2
3.1	0930	3841B	4	0	0	-	-	9	-	-	-	-	-	3	1	2	2
3.1	0930	3841C	1	0	0	-	-	4	-	-	-	-	-	4	1	2	2
3.1	0935	3699	4	1	0	0.8	18	290	-	9	-	-	-	3	5	2	1
3.1	0935	3786	3	0	1	0.8	-	15	-	-	1	-	1	4	1	2	2
3.1	0935	3788A	8	0	4	1.5	-	204	-	-	1	-	-	3	5	2	2
3.1	0935	3788B	1	0	0	0.7	-	13	-	-	-	-	-	3	2	1	2
3.1	0935	3788C	1	0	0	1.0	-	8	-	-	-	-	-	3	1	1	2
3.1	0937	3725	8	0	0	0.8	-	40	-	-	-	-	-	3	1	2	2
3.1	0938	3581	0	0	1	0.8	-	973	-	-	-	-	-	3	1	1	2
3.1	0938	3767	1	0	0	0.9	-	17	-	-	-	-	-	2	3	2	2
3.1	0942	3592	1	0	0	0.8	-	7	-	-	-	-	-	2	5	2	2
3.1	0942	3677	1	0	0	0.8	-	10	-	-	-	-	-	2	1	2	2
3.1	0942	3678	0	0	1	-	-	2	-	-	-	-	-	2	1	2	2
3.1	0942	3679	1	0	0	0.7	-	6	-	-	-	-	1	2	1	2	2
3.1	0942	3689	1	0	0	1.1	-	5	-	-	-	-	-	2	5	2	2
3.1	0942	3769	1	0	0	0.8	-	6	-	-	-	4	-	3	5	2	1
3.1	0942	3802A	7	0	0	1.3	-	101	-	-	-	-	-	7	3	1	2
3.1	0942	3802B	5	0	0	-	-	70	-	-	-	-	-	1	1	2	2
3.1	0942	3980	6	1	2	0.9	-	85	-	2	1	-	-	2	3	2	1
3.1	0942	3981	0	0	0	-	-	18	-	-	-	-	-	2	1	2	2
3.1	0942	4056	9	0	0	1.2	-	66	-	-	-	-	-	8	3	2	1
3.1	0942	4111	2	0	0	-	-	20	-	-	-	-	-	8	3	2	1
3.1	0942	5000	0	0	0	-	-	62	-	-	-	-	-	2	1	2	2
3.1	0951	3584	0	0	1	1.3	14	34	-	-	9	-	-	3	1	2	2
3.1	0951	3763	1	0	0	0.7	-	12	-	-	-	-	-	6	2	2	2
3.1	0953	3782	3	0	0	-	-	16	-	-	-	-	-	8	3	2	2
3.1	0958	3698	2	0	0	0.9	-	14	-	-	-	2	-	3	3	2	2
3.1	0960	3722A	0	1	0	1.7	-	9	-	7	-	-	1	3	1	2	2
3.1	0960	3722B	2	0	0	0.8	-	6	-	-	-	-	1	3	1	2	2
3.1	0960	3722C	2	0	0	0.6	-	9	-	-	-	-	1	1	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	0960	3722D	2	0	0	-	-	11	-	-	-	4	-	3	5	2	2
3.1	0960	3722E	7	0	1	0.8	-	21	-	-	-	-	-	4	1	2	2
3.1	0960	3722F	3	0	0	0.5	-	23	-	-	-	-	-	3	1	1	2
3.1	0960	3741A	0	2	0	0.9	16	49	-	1	-	-	2	1	1	2	2
3.1	0960	3741B	0	1	0	1.0	-	11	-	1	-	-	2	1	1	2	2
3.1	0960	3741C	13	1	0	0.8	-	50	-	1	-	-	2	1	1	2	2
3.1	0960	3741D	6	0	1	1.4	-	47	-	-	1	-	-	3	3	2	2
3.1	0960	3915A	0	1	0	0.6	9	9	-	2	-	-	-	2	1	1	2
3.1	0960	3915B	4	0	1	0.9	-	15	-	-	1	-	-	4	1	2	2
3.1	0960	3915C	3	0	0	0.7	-	11	-	-	-	-	-	4	3	2	2
3.1	0962	3918	1	0	0	0.9	-	44	-	-	-	-	-	4	2	1	1
3.1	0964	3760	1	0	0	0.9	-	7	-	-	-	-	-	4	5	1	2
3.1	0964	3927	1	0	0	1.2	-	38	-	-	-	-	-	4	2	2	2
3.1	0965	3805A	2	0	0	0.8	-	-	-	-	-	-	-	1	1	2	2
3.1	0965	3805B	23	0	2	0.6	-	103	-	-	1	-	-	3	3	2	2
3.1	0965	3805C	0	0	0	-	-	76	-	-	-	-	-	3	3	2	2
3.1	0980	3779A	1	0	0	0.7	-	15	-	-	-	-	-	1	1	2	2
3.1	0980	3779B	2	0	0	-	-	14	-	-	-	-	-	4	1	2	2
3.1	0980	3815A	30	0	2	1.1	-	295	-	-	1	-	-	4	3	2	2
3.1	0980	3815B	5	1	1	0.8	-	66	-	7	-	-	1	4	2	2	2
3.1	0980	3922	1	0	0	1.4	-	9	-	-	-	-	-	4	1	1	1
3.1	0980	3930A	24	0	0	0.9	-	237	-	-	-	-	-	4	3	1	2
3.1	0980	3930B	15	0	0	1.0	-	170	-	-	-	-	-	4	3	1	2
3.1	0980	3930C	4	0	1	0.8	-	48	-	-	3	-	-	3	1	1	2
3.1	0981	3773	2	0	0	-	-	3	-	-	-	4	-	4	1	2	2
3.1	0981	3921	1	0	0	1.0	-	10	-	-	-	-	-	8	3	1	1
3.1	0981	3916	9	0	0	0.9	-	55	-	-	-	-	-	4	3	1	2
3.1	0981	4910	0	0	1	0.9	9	31	-	-	1	-	-	1	1	2	2
3.1	0998	3804A	5	0	0	1.8	-	90	-	-	-	-	-	8	1	1	2
3.1	0998	3804B	7	0	0	1.6	-	62	-	-	-	-	-	3	1	1	2
3.1	0999	3595	2	0	0	1.2	-	53	-	-	-	4	-	3	5	1	2
3.1	0999	3596	1	0	0	1.0	-	11	-	-	-	-	-	8	3	2	2
3.1	0999	3599	1	0	0	1.0	-	22	-	-	-	-	-	3	5	2	2
3.1	0999	3744	12	0	4	1.4	11	1030	-	-	1	-	-	7	1	2	2
3.1	0999	3746	5	0	0	1.0	-	33	-	-	-	-	-	8	1	2	2
3.1	0999	3834	1	0	0	1.1	-	11	-	-	-	-	-	4	3	2	1
3.1	0999	4036	2	0	0	0.9	-	7	-	-	-	-	1	8	3	2	2
3.1	0999	4070	4	0	0	1.2	-	41	-	-	-	-	-	4	2	2	2
3.1	1021	4063A	2	0	0	-	-	7	-	-	-	-	-	8	1	2	2
3.1	1021	4063B	1	0	0	1.0	-	4	-	-	-	-	-	2	1	2	2
3.1	1022	3755	3	0	0	1.5	-	22	-	-	-	-	-	7	3	2	1
3.1	1022	4001	10	0	1	1.1	20	213	2	-	-	-	-	4	3	1	2
3.1	1025	4079	1	0	0	-	-	12	-	-	-	-	-	8	3	2	2
3.1	1028	3933	2	2	0	0.9	-	21	-	1	-	-	-	8	1	2	2
3.1	1031	4028	0	0	10	1.0	20	753	-	-	3	-	-	4	1	2	2
3.1	1031	4113	21	0	0	-	-	73	-	-	-	-	-	2	1	2	2
3.1	1031	4122A	30	0	0	2.0	-	345	-	-	-	-	-	8	3	2	1
3.1	1031	4122B	1	0	0	1.5	-	52	-	-	-	-	-	2	1	1	2
3.1	1039	4071	2	2	0	1.2	-	14	-	2	-	-	-	8	3	2	2
3.1	1051	4118	0	0	0	-	-	8	-	-	-	-	-	2	1	2	2
3.1	1051	4119	3	0	0	1.3	-	5	-	-	-	-	-	2	3	2	2
3.1	1056	4007A	2	0	0	1.0	-	8	-	-	-	-	-	3	1	2	2
3.1	1056	4007B	2	0	0	1.2	-	7	-	-	-	-	-	1	2	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	1057	3983	0	0	0	-	-	25	-	-	-	-	-	2	1	2	2
3.1	1057	3984	1	0	0	1.2	-	25	-	-	-	-	-	8	3	1	2
3.1	1059	3998	7	0	0	1.0	-	73	-	-	-	-	2	1	1	1	1
3.1	1070	3749	1	0	0	1.0	-	16	-	-	-	-	-	8	3	1	2
3.1	1073	3967	0	0	0	-	-	200	-	-	-	-	-	4	1	2	2
3.1	1073	4057	6	0	0	1.5	-	32	-	-	-	-	-	2	1	2	2
3.1	1075	4120	0	0	0	-	-	28	-	-	-	-	-	2	1	2	2
3.1	1075	4121	10	0	0	1.1	-	18	-	-	-	-	-	8	1	2	2
3.1	1087	4127	3	0	0	-	-	4	-	-	-	-	-	8	1	2	2
3.1	1087	4135A	2	0	0	1.2	-	39	-	-	-	4	-	4	3	2	2
3.1	1087	4135B	2	0	0	0.9	-	14	-	-	-	-	-	4	2	1	1
3.1	1087	4135C	1	0	0	1.1	-	12	-	-	-	-	-	4	5	2	2
3.1	1087	4135D	1	0	0	0.8	-	10	-	-	-	2	-	1	5	1	2
3.1	1097	4106	4	1	0	1.1	-	60	-	1	-	-	1	3	5	2	2
3.1	1097	4117A	0	0	1	1.3	-	15	-	-	1	-	-	4	5	2	2
3.1	1097	4117B	1	0	0	1.0	-	7	-	-	-	-	-	1	3	1	2
3.1	1097	4117C	1	0	0	-	-	2	-	-	-	-	-	1	3	2	1
3.1	1097	4126	1	0	0	0.8	-	6	-	-	-	-	-	1	1	1	2
3.1	1100	4116	10	0	0	1.0	-	24	-	-	-	-	-	4	3	2	2
3.1	1100	4124A	3	1	0	1.5	-	37	-	14	-	4	-	4	1	1	1
3.1	1100	4124B	4	0	0	0.9	-	32	-	-	-	-	-	1	3	2	2
3.1	1135	4137A	13	0	0	1.0	-	141	-	-	-	-	-	4	5	1	1
3.1	1135	4137B	6	0	0	1.4	-	82	-	-	-	-	-	4	3	1	2
3.1	1135	4137C	13	0	0	0.9	-	130	-	-	-	-	-	4	5	1	2
3.1	1273	4786	10	1	1	1.0	-	128	-	2	1	-	-	7	4	1	1
3.1	1997	4536A	3	0	0	1.4	-	29	-	-	-	-	-	1	5	2	1
3.1	1997	4536B	4	0	0	0.9	-	32	-	-	-	4	-	3	1	1	2
3.1	1999	4410	10	0	0	2.0	-	331	-	-	-	-	-	3	3	1	1
3.1	1999	4411A	6	0	0	1.0	-	98	-	-	-	-	-	4	2	1	2
3.1	1999	4411B	0	0	2	2.0	-	121	-	-	1	-	-	4	3	1	2
3.1	1999	4411C	2	0	0	0.8	-	7	-	-	-	-	-	4	3	2	1
3.1	2400	5526	0	0	1	0.7	-	7	-	-	1	-	-	1	1	2	2
3.1	2459	5640A	15	0	1	0.9	-	194	-	-	1	-	-	3	2	1	2
3.1	2459	5640B	15	0	0	1.2	-	201	-	-	-	4	-	3	5	2	1
3.1	2459	5881	3	0	0	1.5	-	71	-	-	-	-	-	3	1	2	2
3.1	2479	5844	2	0	0	0.6	-	2	-	-	-	-	-	4	1	2	2
3.1	2479	5845	0	1	0	1.4	-	13	-	7	-	-	-	3	1	1	2
3.1	2479	5857	1	0	0	-	-	6	-	-	-	-	-	3	2	2	2
3.1	2479	5859	1	0	0	0.9	-	3	-	-	-	-	-	3	5	1	2
3.1	2479	5860	1	0	0	0.7	-	6	-	-	-	-	-	3	2	1	2
3.1	2479	5861	1	0	0	0.7	-	45	-	-	-	-	-	1	5	2	2
3.1	2479	5865	1	1	0	0.7	-	11	-	-	1	-	-	3	1	2	2
3.1	2479	5686	1	0	0	0.7	-	22	-	-	-	-	-	3	5	2	1
3.1	2479	5903	2	0	0	1.1	-	35	-	-	-	-	-	4	3	2	2
3.1	2479	5904	3	0	0	1.1	-	19	-	-	-	-	-	4	3	2	2
3.1	2479	5906	0	1	0	1.2	-	64	-	7	-	-	2	4	1	1	2
3.1	2479	5910	2	0	0	1.2	-	11	-	-	-	-	-	3	1	2	1
3.1	2479	5911	1	0	0	-	-	5	-	-	-	-	-	4	1	2	2
3.1	2479	5912	1	0	0	1.1	-	33	-	-	-	-	-	3	1	2	2
3.1	2479	5914	5	0	0	0.7	-	29	-	-	-	-	2	4	1	1	2
3.1	2479	5915	0	0	1	1.2	-	39	-	-	1	-	-	3	1	2	2
3.1	2479	5916	1	0	0	1.2	-	8	-	-	-	-	-	3	1	2	2
3.1	2479	5918	1	0	0	1.2	-	8	-	-	-	-	-	3	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	2479	5919	0	1	0	0.7	24	56	-	1	-	-	2	3	1	1	2
3.1	2479	5920	0	0	1	1.1	-	13	-	-	1	-	-	3	1	2	1
3.1	2479	5882	1	0	0	0.7	-	14	-	-	-	-	-	3	1	2	2
3.1	2479	5901	0	1	0	1.5	-	127	-	7	-	-	2	3	1	2	2
3.1	2479	5981A	7	1	0	0.8	26	114	-	1	-	-	2	3	1	1	2
3.1	2479	5981B	1	0	0	1.7	-	32	-	-	-	-	2	3	1	2	2
3.1	2479	5982	1	0	0	1.4	-	16	-	-	-	-	-	4	1	2	2
3.1	2479	5983	4	0	1	0.9	-	42	-	-	-	4	-	4	2	2	2
3.1	2479	5984	3	0	0	0.9	-	37	-	-	-	1	-	4	1	2	2
3.1	2479	6001	0	0	0	-	-	14	-	-	-	-	2	1	2	2	2
3.1	2479	6003	1	0	0	0.9	-	12	-	-	-	-	-	3	1	2	2
3.1	2479	6004	1	0	0	1.2	-	27	-	-	-	-	-	3	1	1	2
3.1	2479	6005	0	0	7	1.3	24	390	-	-	1	-	2	3	3	2	2
3.1	2479	6006A	20	3	0	0.8	-	192	-	12	-	-	1	1	1	2	2
3.1	2479	6006B	1	0	0	0.8	-	8	-	-	-	-	2	3	1	1	1
3.1	2479	6009	10	0	2	0.9	-	63	-	-	3	-	-	3	1	2	2
3.1	2479	6085	15	0	0	1.0	-	91	-	-	-	-	-	4	1	2	2
3.1	2479	6176	11	0	0	-	-	35	-	-	-	-	-	4	1	1	2
3.1	2479	6177	6	0	0	1.2	-	35	-	-	-	-	-	4	1	2	2
3.1	2481	5665	1	0	0	0.9	-	7	-	-	-	-	-	3	5	2	1
3.1	2481	5685	1	0	0	1.3	-	15	-	-	-	-	-	4	4	1	1
3.1	2481	5697	1	0	0	1.3	-	53	-	-	-	-	-	3	1	2	2
3.1	2481	5698	8	0	1	1.3	-	40	-	-	1	-	-	3	3	2	2
3.1	2481	5699	1	0	0	0.8	-	3	-	-	-	-	-	2	3	2	1
3.1	2481	5700	0	0	1	0.6	-	12	-	-	3	-	-	3	2	1	1
3.1	2481	5701	1	0	0	0.8	-	4	-	-	-	-	-	3	1	2	2
3.1	2481	5702	3	0	0	-	-	14	-	-	-	-	-	1	5	2	2
3.1	2481	5703	3	0	0	0.9	-	32	-	-	-	-	-	4	2	2	2
3.1	2481	5704	2	0	0	-	-	14	-	-	-	-	-	3	3	2	2
3.1	2481	5807	6	0	0	1.0	-	22	-	-	-	-	-	3	3	2	1
3.1	2506	5878	1	0	0	0.8	-	11	-	-	-	-	-	3	4	2	1
3.1	2506	5879	1	0	0	0.9	-	7	-	-	-	-	-	3	4	1	1
3.1	2506	5905	0	1	0	1.5	-	42	-	-	-	-	2	3	1	2	2
3.1	2506	5909	0	0	1	0.8	10	22	-	-	1	-	-	1	1	2	1
3.1	2506	5888	19	0	0	0.6	-	79	-	-	-	-	-	4	3	2	2
3.1	2506	5898	1	0	0	1.3	-	22	-	-	-	-	-	4	1	1	2
3.1	2506	6049	2	0	0	1.0	-	14	-	-	-	-	-	4	1	2	2
3.1	2506	6086	2	0	0	1.0	-	15	-	-	-	-	-	4	1	2	2
3.1	2612	5883	6	0	0	0.8	-	23	-	-	-	-	-	3	5	2	2
3.1	2612	5885	6	0	0	0.9	-	15	-	-	-	-	-	2	1	1	2
3.1	2612	6007	0	0	1	0.7	-	19	-	-	3	-	-	4	1	2	2
3.1	2612	6144	2	0	0	-	-	6	-	-	-	-	-	4	1	2	2
3.1	2612	6145	5	0	0	1.0	-	19	-	-	-	-	-	4	1	2	2
3.1	2612	6146	1	0	0	-	-	12	-	-	-	-	-	4	2	2	2
3.1	2613	5889	3	0	0	1.2	-	67	-	-	-	-	-	4	1	2	2
3.1	2613	5890	0	1	0	1.3	-	17	-	11	-	-	1	4	1	2	2
3.1	2613	5891	4	0	0	0.4	-	14	-	-	-	-	2	4	1	2	2
3.1	2613	6015	2	0	0	0.6	-	14	-	-	-	-	-	4	3	2	2
3.1	2613	6019	0	0	7	1.0	-	75	-	-	-	-	-	4	1	2	2
3.1	2613	6066	4	0	2	0.8	-	123	-	-	1	-	-	3	1	2	2
3.1	2613	6080	3	0	0	0.7	-	12	-	-	-	-	-	4	1	1	2
3.1	2613	6095	12	0	0	1.1	-	39	-	-	-	-	-	4	1	2	2
3.1	2613	6104	12	0	0	0.6	-	83	-	-	-	-	-	4	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	2613	6111	3	0	0	0.6	-	16	-	-	-	-	-	3	3	2	2
3.1	2613	6178	8	0	1	1.1	-	45	-	-	-	4	-	4	1	2	2
3.1	2613	6179	0	0	1	0.6	-	31	-	-	3	-	-	4	1	2	2
3.1	2616	6011	4	0	0	2.2	-	82	-	-	-	-	-	4	1	2	2
3.1	2616	6100	3	0	1	0.8	-	31	-	-	-	-	-	4	1	2	1
3.1	2616	6180	1	0	0	1.0	-	7	-	-	-	-	-	4	1	2	2
3.1	2616	6181	3	0	0	0.8	-	12	-	-	-	-	2	4	3	2	2
3.1	2617	6018	1	0	0	1.5	-	186	-	-	-	-	2	3	1	2	2
3.1	2617	6182	4	0	0	-	-	73	-	-	-	-	2	3	1	2	2
3.1	2617	6183	6	0	0	-	-	71	-	-	-	-	-	3	1	2	2
3.1	2620	6105	1	0	0	1.5	-	32	-	-	-	-	-	3	1	2	2
3.1	2620	6106	1	0	0	1.0	-	14	-	-	-	-	-	3	1	2	2
3.1	2620	6107	7	0	0	1.0	-	90	-	-	-	-	2	3	1	1	2
3.1	2620	6147	1	0	0	1.0	-	7	-	-	-	-	-	4	5	2	2
3.1	2621	6148	2	0	0	0.7	-	9	-	-	-	-	-	3	1	2	2
3.1	2623	6364	1	0	0	0.5	-	3	-	-	-	-	-	4	1	1	2
3.1	2626	6139	1	0	0	1.4	-	38	-	-	-	-	-	4	1	1	2
3.1	2626	6149	2	0	0	1.1	-	13	-	-	-	-	-	4	1	1	2
3.1	2627	5995	8	0	0	0.8	-	89	-	-	-	-	-	3	1	1	2
3.1	2627	5999	1	0	0	1.3	-	31	-	-	-	-	-	3	5	2	2
3.1	2627	6008	1	0	0	-	-	22	-	-	-	-	-	3	1	2	2
3.1	2627	6012	2	0	0	1.2	-	32	-	-	-	-	-	4	1	2	2
3.1	2627	6013	0	1	0	1.2	-	35	-	7	-	-	-	4	1	1	2
3.1	2627	6014	1	0	0	1.0	-	15	-	-	-	-	-	4	3	1	2
3.1	2627	6016	2	0	0	1.1	-	22	-	-	-	-	2	4	1	1	2
3.1	2627	6017	3	0	1	0.8	10	96	7	-	1	4	-	3	2	1	1
3.1	2627	6065	0	1	0	0.7	16	46	-	7	-	-	1	3	3	2	2
3.1	2627	6068	1	0	1	1.1	-	24	-	-	1	-	-	4	1	2	2
3.1	2627	6101	1	0	0	1.2	-	189	-	-	-	-	-	4	1	2	2
3.1	2627	6103	12	0	0	0.7	-	204	-	-	-	-	-	4	1	2	2
3.1	2627	6108	1	0	0	0.9	-	29	-	-	-	-	-	3	1	2	1
3.1	2627	6110	1	0	0	1.0	-	25	-	-	-	-	-	3	1	2	1
3.1	2627	6150	3	0	1	1.0	-	32	-	-	1	-	-	4	1	2	2
3.1	2627	6151	3	0	0	1.0	-	17	-	-	-	-	-	4	1	2	2
3.1	2627	6152	1	0	0	1.2	-	10	-	-	-	-	-	3	1	2	2
3.1	2627	6184	10	0	1	1.1	-	72	-	-	1	-	-	3	1	2	2
3.1	2627	6185	8	0	0	1.3	-	100	-	-	-	-	-	4	1	2	2
3.1	2627	6186	3	0	0	-	-	22	-	-	-	-	-	4	1	2	2
3.1	2629	6153	1	0	0	-	-	11	-	-	-	-	-	4	1	2	2
3.1	2630	6187	1	0	0	1.0	-	16	-	-	-	-	-	4	1	1	2
3.1	2632	6154	1	0	0	0.8	-	5	-	-	-	-	-	2	3	2	1
3.1	2633	6188	5	0	0	0.6	-	48	-	-	-	-	1	2	1	2	2
3.1	2634	6071	2	0	0	0.9	-	36	-	-	-	-	-	4	1	2	2
3.1	2634	6155	4	0	0	0.7	-	36	-	-	-	-	-	4	1	2	2
3.1	2635	6073	5	3	0	0.6	-	99	-	2	-	-	-	4	1	2	2
3.1	2635	6075	0	1	0	0.7	-	7	-	1	-	-	-	4	1	2	2
3.1	2635	6113	1	0	0	0.7	-	6	-	-	-	-	1	3	1	1	2
3.1	2635	6115	1	0	0	1.0	-	14	-	-	-	-	-	3	1	1	2
3.1	2635	6117	5	0	0	1.1	-	23	-	-	-	-	-	3	1	2	2
3.1	2635	6118	3	0	0	1.8	-	43	-	-	-	-	-	3	1	2	2
3.1	2635	6189	7	0	0	-	-	48	-	-	-	-	-	4	1	2	2
3.1	2635	6190A	14	0	0	1.2	-	198	-	-	-	-	-	4	3	2	2
3.1	2635	6190B	4	0	0	0.6	-	28	-	-	-	-	-	3	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	2635	6269	3	0	0	0.8	-	24	-	-	-	-	-	4	1	2	1
3.1	2635	6270A	6	0	0	1.0	-	53	-	-	-	-	1	4	1	1	2
3.1	2635	6270B	3	0	0	0.7	-	21	-	-	-	-	-	3	1	1	2
3.1	2635	6270C	0	0	2	1.3	-	31	-	-	-	-	-	3	3	2	2
3.1	2635	6271A	5	0	1	0.9	-	42	-	-	1	-	-	4	1	2	2
3.1	2635	6271B	3	0	0	0.6	-	28	-	-	-	-	-	4	1	2	2
3.1	2635	6272	9	0	0	-	-	72	-	-	-	-	-	4	1	2	2
3.1	2635	6293	1	0	0	1.1	-	39	-	-	-	-	-	3	1	2	2
3.1	2635	6488A	12	3	1	0.4	14	212	-	12	-	-	2	2	1	2	2
3.1	2635	6488B	6	0	0	1.1	-	98	-	-	-	4	2	4	3	2	2
3.1	2635	6488C	3	2	0	0.7	-	48	-	7	-	-	2	4	1	2	2
3.1	2635	6488D	27	0	2	0.8	10	365	5	-	5	-	2	4	3	1	1
3.1	2635	6488E	14	2	0	0.8	-	135	-	1	-	-	2	4	1	2	2
3.1	2635	6488F	0	1	0	0.6	-	2	-	1	-	-	2	2	1	2	2
3.1	2635	6488G	60	0	0	1.2	-	350	-	-	-	-	-	3	1	2	2
3.1	2635	6488H	0	0	0	-	-	380	-	-	-	-	-	4	1	2	2
3.1	2635	6488I	13	0	1	1.2	-	465	-	-	-	-	2	4	3	1	2
3.1	2635	6488J	6	0	1	1.5	-	103	-	-	-	-	-	3	3	1	1
3.1	2636	6119	8	0	2	0.8	9	150	-	-	3	-	-	3	1	2	2
3.1	2636	6121	2	0	0	1.3	-	58	-	-	-	-	-	4	2	1	2
3.1	2636	6123	7	0	0	-	-	75	-	-	-	-	-	4	1	1	2
3.1	2636	6131	0	0	1	1.3	14	30	-	-	1	-	-	3	1	2	2
3.1	2636	6138	9	0	0	1.1	-	170	-	-	-	-	-	4	1	2	2
3.1	2636	6140	3	0	0	1.1	-	106	-	-	-	-	2	3	1	1	2
3.1	2636	6273	8	0	0	-	-	84	-	-	-	-	-	4	1	2	2
3.1	2636	6294	1	0	0	0.8	-	4	-	-	-	-	-	3	1	2	2
3.1	2636	6296	1	0	0	1.1	-	9	-	-	-	-	-	3	1	2	2
3.1	2636	6329	2	0	0	1.2	-	19	-	-	-	-	-	3	1	2	2
3.1	2636	6455	2	0	0	1.6	-	29	-	-	-	-	-	4	1	2	2
3.1	2636	6520	3	0	0	1.2	-	56	-	-	-	-	-	4	3	1	2
3.1	2636	6555	7	0	0	1.3	-	134	-	-	-	-	-	4	1	1	2
3.1	2637	6076	3	0	0	1.3	-	133	-	-	-	-	2	4	1	2	2
3.1	2637	6274	3	0	0	0.7	-	16	-	-	-	-	-	4	3	1	2
3.1	2638	6132	3	0	0	0.7	-	43	-	-	-	-	-	3	2	1	1
3.1	2638	6133	4	0	0	0.7	-	23	-	-	-	-	-	4	1	1	2
3.1	2638	6134	1	0	0	0.9	-	20	-	-	-	-	-	4	1	2	2
3.1	2638	6136	1	0	0	0.8	-	10	-	-	-	-	-	4	5	2	2
3.1	2638	6365	3	0	0	1.0	-	21	-	-	-	-	-	4	1	2	2
3.1	2639	6404	1	0	0	0.9	-	14	-	-	-	-	-	4	2	2	2
3.1	2639	6444	1	0	0	1.0	-	22	-	-	-	-	-	4	1	2	2
3.1	2644	6137	1	1	0	1.0	-	18	-	7	-	-	2	3	2	1	2
3.1	2645	6366	3	0	0	1.0	-	15	-	-	-	-	-	4	1	2	2
3.1	2648	6456	2	0	0	2.0	-	166	-	-	-	-	-	4	1	1	2
3.1	2650	6388	2	0	0	1.1	-	15	-	-	-	-	-	4	1	2	1
3.1	2652	6367	1	0	0	1.1	-	10	-	-	-	-	-	4	1	2	2
3.1	2658	6485	4	0	0	1.8	-	149	-	-	-	-	-	3	5	2	2
3.1	2660	6389	7	0	0	1.4	-	147	-	-	-	-	-	4	1	2	1
3.1	2663	6390	3	0	0	1.2	-	53	-	-	-	-	-	4	3	2	1
3.1	2663	6521	7	0	0	1.2	-	81	-	-	-	-	-	4	1	2	2
3.1	2665	6457	1	0	0	1.0	-	6	-	-	-	-	-	4	1	1	1
3.1	2668	6523	2	0	0	1.1	-	17	-	-	-	-	-	4	1	2	1
3.1	2671	6458	1	0	0	1.5	-	16	-	-	-	-	-	4	1	2	2
3.1	2672	6459	1	0	0	1.5	-	34	-	-	-	-	-	4	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	2676	6522	1	0	0	1.3	-	27	-	-	-	-	2	3	1	2	2
3.1	2680	6460	2	0	0	1.3	-	86	-	-	-	-	-	4	5	1	2
3.1	2680	6486	5	0	0	1.0	-	33	-	-	-	-	-	4	5	2	2
3.1	2685	6579	1	0	0	0.7	-	3	-	-	-	-	-	3	1	1	1
3.1	2685	6635	1	0	1	0.9	-	34	-	-	-	-	-	4	5	1	2
3.1	2685	6636A	1	0	0	0.8	-	7	-	2	-	-	1	2	2	2	2
3.1	2685	6636B	1	0	0	1.2	-	20	-	-	-	-	-	4	5	2	2
3.1	2687	6290	1	0	0	1.1	-	83	-	-	-	-	-	3	4	2	2
3.1	2700	6166	36	0	0	1.5	-	340	-	-	-	-	-	8	4	2	2
3.1	2700	6393	1	0	0	1.3	-	20	-	-	-	-	-	4	4	1	1
3.1	2703	6165	8	0	0	0.8	-	78	-	-	-	-	-	4	4	2	1
3.1	2703	6171	1	0	0	0.6	-	17	-	-	-	-	-	4	1	1	1
3.1	2703	6172A	0	0	1	0.8	-	32	-	-	1	-	-	4	1	2	2
3.1	2703	6172B	1	0	0	1.0	-	29	-	-	-	-	-	4	5	2	2
3.1	2703	6164A	20	0	1	1.2	-	328	-	-	-	-	-	3	5	2	1
3.1	2703	6164B	2	0	0	2.5	-	437	-	-	-	-	-	4	2	2	2
3.1	2703	6275	20	0	4	1.8	-	-	-	-	-	-	-	4	1	2	2
3.1	2703	6383A	1	0	0	0.8	-	12	-	-	-	-	-	3	1	2	2
3.1	2703	6383B	1	0	0	0.9	-	9	-	-	-	-	-	4	4	2	2
3.1	2703	6397A	4	0	1	0.7	-	28	-	-	-	4	-	4	1	2	2
3.1	2703	6397B	5	0	0	1.4	-	45	-	-	-	4	-	4	1	2	1
3.1	2703	6397C	0	1	0	1.5	-	78	-	7	-	4	2	4	1	1	2
3.1	2703	6399A	10	0	0	1.5	-	121	-	-	-	-	-	4	1	2	2
3.1	2703	6399B	0	0	0	2.8	-	157	-	-	-	-	-	4	1	2	2
3.1	2703	6408A	17	0	0	1.1	-	116	-	-	-	-	-	4	4	2	1
3.1	2703	6408B	1	0	0	0.5	-	5	-	-	-	-	-	4	1	2	2
3.1	2703	6422	2	0	1	0.6	-	74	-	-	1	-	-	4	1	2	2
3.1	2703	6445	7	0	3	1.3	-	130	-	-	1	-	-	4	1	2	2
3.1	2703	6446	0	0	1	1.3	-	20	-	-	-	-	-	4	1	2	2
3.1	2703	6461	1	0	0	0.6	-	4	-	-	-	-	-	4	1	2	2
3.1	2703	6524	3	0	0	0.7	-	24	-	-	-	-	-	4	4	2	2
3.1	2707	6489	5	1	0	0.8	-	36	-	8	-	-	1	4	1	1	2
3.1	2708	6174	1	0	0	0.7	-	20	-	-	-	-	-	4	2	1	1
3.1	2708	6394	1	0	0	1.0	-	10	-	-	-	-	-	4	5	2	2
3.1	2708	6403	2	0	0	0.8	-	18	-	-	-	-	-	3	1	2	2
3.1	2708	6448	3	0	0	1.1	-	22	-	-	-	-	-	4	5	2	2
3.1	2711	6384	1	0	0	1.3	-	37	-	-	-	4	-	3	1	2	2
3.1	2715	6395	0	1	0	1.1	-	6	-	1	-	-	-	3	2	2	2
3.1	2720	6450	6	0	4	1.1	-	200	-	-	1	-	-	4	5	2	2
3.1	2731	6463	4	0	0	0.7	-	30	-	-	-	-	-	4	1	2	2
3.1	2734	6423	20	0	0	1.2	-	576	-	-	-	4	-	4	1	2	2
3.1	2734	6424	2	1	0	1.2	24	146	-	9	-	-	2	4	1	2	2
3.1	2734	6425	3	0	0	1.2	-	108	-	-	-	-	-	4	1	2	2
3.1	2734	6426	2	0	0	1.2	-	28	-	-	-	-	-	4	1	2	2
3.1	2734	6427	3	0	0	1.2	-	19	-	-	-	-	-	4	1	2	2
3.1	2734	6429	1	0	0	0.7	-	14	-	-	-	-	-	4	1	2	2
3.1	2734	6430	7	0	0	0.9	-	56	-	-	-	-	-	4	1	2	2
3.1	2734	6431	0	0	1	1.0	-	8	-	-	1	-	-	4	4	2	2
3.1	2734	6432	1	0	0	1.2	-	8	-	-	-	-	-	4	1	2	1
3.1	2734	6433	2	0	0	1.0	-	18	-	-	-	-	-	4	4	2	2
3.1	2734	6434	1	0	0	-	-	8	-	-	-	-	-	4	1	2	2
3.1	2738	6519	1	0	0	0.7	-	10	-	-	-	2	-	1	5	2	2
3.1	2738	6170	3	0	0	1.0	-	16	-	-	-	-	-	4	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.1	2738	6276	5	0	0	0.9	-	-	-	-	-	-	-	4	1	2	2
3.1	2738	6277	1	0	0	0.8	-	-	-	-	-	-	-	4	1	1	2
3.1	2738	6278	3	0	0	1.2	-	-	-	-	-	-	-	4	1	2	2
3.1	2738	6526	2	0	0	0.9	-	8	-	-	-	-	-	4	4	2	2
3.1	2753	6598	2	0	0	0.7	-	22	-	-	-	4	-	4	1	1	2
3.1	2753	6599	2	0	0	0.7	-	34	-	-	-	-	-	4	4	1	2
3.1	2769	6600	3	1	0	0.6	-	63	-	7	-	-	-	4	1	1	1
3.1	2769	6601	17	0	0	1.6	-	242	-	7	-	-	2	4	1	2	2
3.1	2769	6639A	4	0	0	0.6	-	55	-	-	-	-	-	4	1	1	2
3.1	2769	6639B	2	0	0	1.0	-	22	-	-	-	-	-	4	3	2	1
3.1	2769	6639C	2	0	0	1.1	-	35	-	-	-	-	-	4	1	2	2
3.1	2769	6639D	3	0	2	1.6	-	87	-	-	-	-	-	4	1	2	2
3.1	2769	6639E	5	0	0	0.7	-	39	-	-	-	-	1	4	1	1	2
3.1	2769	6678	19	0	3	1.4	-	175	-	-	1	-	-	4	3	2	2
3.1	2769	6682A	7	0	0	1.1	-	59	-	-	-	-	-	4	3	2	2
3.1	2769	6682B	14	0	0	0.5	-	37	-	-	-	-	-	4	3	1	2
3.1	2769	6683	1	0	1	0.8	-	20	-	-	1	-	-	4	2	2	2
3.1	2774	6684	5	0	0	1.0	-	39	-	-	-	-	-	4	3	1	2
3.1	2777	6280	14	1	0	1.2	-	-	-	7	-	-	1	4	2	2	2
3.1	2777	6685A	9	0	0	1.3	-	210	-	-	-	-	2	4	1	1	2
3.1	2777	6685B	4	0	0	0.8	-	37	-	-	-	-	-	4	2	1	1
3.1	2777	6686	1	0	0	1.6	-	123	-	-	-	-	-	4	1	1	2
3.1	2777	6679	1	0	0	0.6	-	25	-	-	3	-	-	4	2	1	1
3.1	2777	6680A	1	1	0	1.0	-	19	-	-	-	4	2	4	2	1	2
3.1	2777	6680B	2	1	0	0.9	-	18	-	2	-	-	-	4	3	2	2
3.1	2777	6687	1	0	0	0.7	-	5	-	-	-	-	-	4	2	2	2
3.1	2777	6685A	2	0	0	0.9	-	13	-	-	-	-	-	4	2	2	2
3.1	2777	6685B	7	0	1	0.6	-	75	-	-	3	-	-	4	1	2	2
3.1	2777	6685C	3	0	0	1.2	-	132	-	-	-	-	2	4	5	2	2
3.1	2777	6685D	1	0	1	0.8	10	63	-	-	-	-	-	4	1	1	2
3.1	2777	6786	1	0	0	0.7	-	4	-	-	-	-	-	3	1	2	2
3.1	2777	6787	4	0	0	1.0	-	61	-	-	-	-	-	4	1	2	2
3.1	2777	6788	2	0	0	1.4	-	17	-	-	-	-	-	4	1	2	2
3.1	2777	6795	4	0	0	0.9	-	65	-	-	-	-	-	4	1	2	2
3.1	2777	6796	4	0	0	1.0	-	52	-	-	-	-	-	4	2	2	2
3.1	2777	6801	6	0	1	0.8	-	62	-	-	3	-	-	4	1	1	2
3.1	2777	6803	14	0	0	1.0	-	158	-	-	-	4	-	4	4	2	2
3.2	0660	3000	1	0	0	0.8	-	12	-	-	-	-	-	1	5	2	1
3.2	0660	3178	1	0	0	1.1	-	41	-	-	-	-	-	3	5	2	2
3.2	0660	3654A	4	0	0	1.2	-	68	-	-	-	-	-	3	3	2	2
3.2	0660	3654B	0	1	0	0.5	-	4	-	1	-	-	-	1	2	1	2
3.2	0660	3654C	1	0	0	1.0	-	26	-	-	-	-	-	1	1	2	2
3.2	0660	3654D	2	0	0	1.0	-	20	-	-	-	-	-	3	1	2	2
3.2	0660	3654E	1	0	0	0.8	-	6	-	-	-	-	-	3	3	2	1
3.2	0830	3348	1	0	0	1.3	-	23	-	-	-	-	-	4	3	1	2
3.2	0830	3349	1	0	0	1.0	-	29	-	-	-	-	2	3	2	1	1
3.2	0830	3350	0	1	0	1.0	20	63	-	-	-	-	2	3	1	1	2
3.2	0830	3648A	0	1	0	0.8	-	10	-	7	-	-	2	1	1	2	2
3.2	0830	3648B	0	1	0	0.5	-	4	-	7	-	-	2	1	1	2	2
3.2	0830	3648C	0	1	0	1.0	-	34	-	4	-	-	-	1	5	2	1
3.2	0830	3648D	0	0	1	1.0	-	46	-	-	1	-	-	1	1	2	2
3.2	0830	3648E	1	0	0	2.1	-	36	-	-	-	-	-	3	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.2	0830	3648F	1	0	0	1.3	-	8	-	-	-	-	-	3	5	2	1
3.2	0830	3648G	1	0	0	1.0	-	15	-	-	-	-	-	3	1	1	2
3.2	0830	3648H	2	0	0	1.0	-	11	-	-	-	-	-	1	1	2	2
3.2	0830	3664	1	0	1	1.3	-	21	-	-	-	-	-	1	3	2	1
3.2	0830	3666	99	0	3	1.2	24	1300	-	-	1	-	-	2	1	2	2
3.2	0830	3970A	8	1	0	1.6	22	215	-	2	-	-	-	3	3	1	2
3.2	0830	3970B	0	1	0	1.1	-	21	-	1	-	-	2	3	1	1	1
3.2	2138	4649	1	0	0	-	-	4	-	-	-	-	-	3	1	1	2
3.2	2138	4684	1	0	0	1.4	-	49	-	-	-	-	-	4	5	1	1
3.2	2138	4741	1	0	0	1.4	-	24	-	-	-	-	-	4	5	2	1
3.2	2138	4742	1	0	0	1.3	-	28	-	-	-	-	-	1	1	2	2
3.2	2138	5330	1	0	0	1.0	-	6	-	-	-	-	-	3	5	2	2
3.2	2138	5448	1	0	0	0.6	-	9	-	-	-	1	-	2	4	1	2
3.2	2138	5820	1	0	0	1.1	-	5	-	-	-	-	-	3	5	2	1
3.2	2138	5821	3	0	0	1.4	-	100	-	-	-	-	-	3	2	1	1
3.2	2138	5917	1	0	0	-	-	3	-	-	-	-	-	3	1	2	1
3.2	2138	6098	1	0	0	0.9	-	4	-	-	-	-	-	4	2	1	1
3.2	2138	6099	3	0	0	1.3	-	50	-	-	-	-	-	3	1	2	2
3.2	2604	6126	1	0	0	1.3	-	19	-	-	-	-	-	8	4	2	2
3.2	2604	6327A	1	0	0	0.9	-	10	-	-	-	-	-	1	1	2	1
3.2	2604	6327B	1	1	0	0.8	18	67	-	7	-	-	2	3	1	2	1
3.2	2604	6328	1	0	0	1.1	-	29	-	-	-	-	-	3	1	2	1
3.2	2604	6363	2	0	0	0.8	-	13	-	-	-	-	-	3	1	2	2
3.2	2604	6377	0	1	0	0.8	-	24	-	1	-	-	-	3	2	2	2
3.2	2604	6378	1	0	0	0.9	-	8	-	-	-	-	1	3	1	2	2
3.2	2604	6387	21	0	0	1.2	-	102	-	-	-	-	-	4	3	2	1
3.2	2604	6399	1	0	0	1.0	-	49	-	-	-	-	-	4	1	1	2
3.2	2608	6135	8	0	0	1.1	-	63	-	-	-	-	-	3	1	1	2
3.2	2609	2689B	17	2	0	1.1	-	170	-	7	-	-	2	3	2	2	2
3.2	2609	6125	4	0	0	1.1	-	67	-	-	-	-	-	4	5	2	2
3.2	2609	6127	2	0	0	0.8	-	30	-	-	-	-	-	2	2	2	2
3.2	2609	6129	1	0	0	1.1	-	25	-	-	-	-	-	3	1	2	2
3.2	2609	6267	7	0	1	0.9	-	114	-	-	-	-	2	3	3	2	2
3.2	2609	6268	12	0	0	1.2	-	65	-	-	-	-	2	3	1	1	2
3.2	2609	6292	2	0	0	1.2	-	13	-	-	-	-	-	3	1	1	2
3.2	2686	6124	5	0	0	1.1	-	67	-	-	-	-	-	3	3	2	2
3.2	2686	6330	1	0	0	0.8	-	19	-	-	-	-	-	3	1	2	2
3.2	2686	6368	1	0	0	1.0	-	32	-	-	-	-	-	4	3	2	2
3.2	2689	2689A	23	0	0	0.8	-	260	-	-	-	-	2	3	1	2	2
3.2	2689	6130	5	0	0	0.9	-	100	-	-	-	-	-	4	1	1	1
3.2	2689	6162	0	0	1	0.9	10	24	-	-	1	-	-	4	1	2	2
3.2	2689	6297	1	0	0	0.7	-	12	-	-	-	-	1	3	1	2	2
3.2	2689	6331	2	0	0	1.3	-	67	-	-	-	-	-	3	3	2	1
3.2	2689	6332	9	0	0	1.1	-	82	-	-	-	-	-	3	1	1	2
3.2	2689	6333	6	0	0	1.0	-	46	-	-	-	-	2	3	1	2	2
3.2	2689	6369A	4	0	0	1.1	-	151	-	-	3	-	-	4	4	2	1
3.2	2689	6369B	2	0	0	0.8	-	16	-	-	-	-	1	3	1	1	1
3.2	2689	6370	15	0	0	1.0	-	238	-	-	-	-	-	4	1	1	2
3.2	2691	6334	3	0	0	1.0	-	15	-	-	-	-	-	3	1	1	2
3.2	2691	6371	2	0	0	0.8	-	55	-	-	-	-	-	4	1	2	2
3.2	2691	6372	3	0	0	1.0	-	17	-	-	-	-	2	4	1	1	2
3.2	2692	6391	16	0	0	1.0	-	181	-	-	-	-	-	4	1	1	2
3.2	2693	6337	2	0	0	0.8	0	19	-	-	-	-	-	1	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
3.2	2693	6373	2	0	0	1.0	-	20	-	-	-	-	-	3	1	2	2
3.2	2693	6811	0	0	1	1.1	18	61	-	-	3	-	-	4	1	2	2
3.2	2697	6374	1	0	0	0.8	-	31	-	-	-	-	-	3	1	2	2
3.2	2697	6380A	9	0	0	0.9	-	97	-	1	-	-	2	4	3	2	2
3.2	2697	6392	20	1	0	0.9	22	311	-	1	-	-	2	4	1	1	1
3.2	2697	6398A	40	0	0	1.1	-	152	-	-	-	-	-	4	3	2	2
3.2	2969	6398B	1	0	0	0.5	-	10	-	-	-	-	-	4	1	2	2
3.2	2697	6465	15	0	6	0.7	12	218	-	-	3	-	-	4	1	2	2
3.2	2701	6382	3	0	1	1.5	-	65	-	-	-	-	-	4	1	2	1
3.2	2702	6375	3	0	0	1.2	-	20	-	-	-	-	-	4	3	2	1
3.2	2719	6401	1	0	0	0.8	-	16	-	-	-	-	-	4	1	2	2

PHASE 5

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
5.1	0427	2982	1	0	0	0.7	-	9	-	-	-	1	-	1	5	2	2
5.1	0427	2983	1	0	0	0.5	-	13	-	-	-	2	-	1	1	2	1
5.1	0598	2935A	1	0	0	0.5	-	2	-	-	-	2	-	2	5	2	2
5.1	0598	2935B	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
5.1	0598	2935C	1	0	0	0.5	-	10	-	-	-	-	-	1	5	2	2
5.1	0598	3229A	1	0	0	0.4	-	6	-	-	-	-	-	5	5	2	2
5.1	0598	3229B	1	0	0	0.4	-	3	-	-	-	2	-	1	2	2	2
5.1	0686	3217	1	0	0	0.6	-	1	-	-	-	-	-	4	5	2	2
5.1	0686	3233	1	0	0	0.6	-	3	-	-	-	-	3	1	5	1	2
5.1	0691	3145	1	0	0	0.5	-	27	-	-	-	2	-	2	2	1	2
5.1	0691	3160	1	0	0	0.6	-	11	-	-	-	2	-	1	1	1	2
5.1	0691	3354	1	0	0	0.7	-	18	-	-	-	2	-	1	5	1	2
5.1	0701	3179	1	0	0	0.6	-	5	-	-	-	-	-	1	3	2	2
5.1	0710	3240	1	0	0	0.6	-	3	-	-	-	2	-	1	5	2	2
5.1	0713	3208	0	1	0	0.8	-	16	-	15	-	2	-	1	5	1	1
5.1	0750	3175	1	0	0	0.8	-	19	-	-	-	2	-	1	5	1	2
5.1	0795	3433	1	0	0	0.8	-	27	-	-	-	2	-	1	1	2	2
5.1	0795	3434	1	0	0	0.6	-	28	-	-	-	2	-	1	2	1	1
5.1	0796	3267	1	0	0	1.1	-	9	-	-	-	-	-	2	5	2	2
5.1	0796	3435	1	0	0	1.1	-	3	-	-	-	-	-	4	1	2	2
5.1	0796	3436	2	0	0	0.6	-	82	-	-	2	-	-	1	3	1	1
5.1	0799	3439A	1	0	0	0.8	-	10	-	-	-	-	-	4	3	2	2
5.1	0799	3439B	1	0	0	0.7	-	6	-	-	-	-	-	4	3	2	2
5.1	0799	3659	0	0	1	0.7	-	27	-	-	5	-	-	1	1	2	2
5.1	2718	6517	1	0	0	0.6	-	11	-	-	-	2	-	2	3	2	2
5.1	2718	6596A	1	0	0	1.1	-	16	-	-	-	-	-	4	3	1	2
5.1	2718	6596B	2	0	0	0.8	-	7	-	-	-	-	-	4	1	2	2
5.2	0547	3015	1	0	0	0.5	-	3	-	-	-	2	-	1	1	1	2
5.2	0547	3152	2	0	0	0.7	-	5	-	-	-	-	-	1	1	2	2
5.2	0681	3034	0	0	1	1.0	-	11	-	-	1	-	-	2	5	2	2
5.2	0699	3141	1	0	0	0.5	-	14	-	-	-	-	-	6	5	2	2
5.2	0699	3161	0	0	1	0.8	6	15	-	-	5	2	-	2	5	2	2
5.2	0699	3239	1	0	0	0.5	-	4	-	-	-	-	-	1	2	1	2
5.2	0699	3355A	1	0	1	1.0	14	37	-	-	-	2	-	1	5	2	2
5.2	0699	3355B	0	1	0	0.7	-	6	-	1	-	-	-	2	1	2	2
5.2	0699	3355C	1	0	0	0.5	-	14	-	-	-	1	-	2	5	2	2
5.2	0699	3355D	4	0	0	0.8	-	17	-	-	-	2	-	1	5	2	2
5.2	0699	3355E	2	0	0	0.7	-	17	-	-	-	-	-	1	1	2	2
5.2	0699	3665A	1	0	0	1.3	-	12	-	-	-	-	2	3	3	2	1
5.2	0699	3665B	2	0	0	0.7	-	1	-	1	-	-	-	2	1	2	2
5.2	0699	3665C	2	0	0	1.5	-	23	-	-	-	-	-	1	5	2	2
5.2	0699	3665D	0	1	0	1.1	-	3	-	1	-	-	-	3	1	1	2
5.2	0699	3665F	3	0	0	1.2	-	9	-	-	-	-	-	4	5	1	1
5.2	0699	3665G	2	0	0	0.5	-	6	-	-	-	-	-	3	1	2	2
5.2	0699	3665H	1	0	0	0.9	-	4	-	-	-	-	-	4	2	2	1
5.2	0699	3665I	1	0	0	0.5	-	3	-	-	-	-	-	3	5	2	2
5.2	0759	3300A	8	0	0	0.8	16	308	-	2	-	-	-	1	5	1	1
5.2	0759	3300B	2	0	0	0.3	-	25	-	-	-	3	-	1	2	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
5.2	0759	3300C	1	0	0	0.6	-	18	-	-	-	2	-	2	5	2	2
5.2	0759	3300D	1	0	0	1.1	-	15	-	-	-	2	-	1	5	2	2
5.2	0759	3300E	1	0	0	0.7	-	16	-	-	-	2	-	1	5	2	1
5.2	0759	3300F	1	0	0	0.8	-	27	-	-	-	-	-	1	5	1	1
5.2	0759	3300G	1	0	0	0.7	-	92	-	-	-	1	-	1	5	2	2
5.2	0759	3300H	0	0	1	1.2	12	22	-	-	-	1	-	1	2	2	2
5.2	0759	3300I	1	0	0	0.7	-	44	-	-	-	1	-	1	5	2	2
5.2	0759	3300J	1	0	0	0.7	-	33	-	-	-	-	-	1	1	2	2
5.2	0759	3300K	1	0	0	0.6	-	44	-	-	-	-	-	1	5	2	2
5.2	0759	3363A	1	1	0	0.6	-	5	-	15	-	-	-	2	1	2	2
5.2	0759	3363B	1	0	0	0.8	-	23	-	-	-	2	-	1	5	2	1
5.2	0759	3363C	1	0	0	0.6	-	3	-	-	-	-	-	2	3	2	2
5.2	0817	3440A	1	0	0	0.8	-	19	-	-	-	-	-	3	1	2	2
5.2	0817	3440B	1	0	0	1.0	-	5	-	-	-	-	-	1	2	2	2
5.2	2289	5499	0	0	1	0.9	-	16	-	-	1	-	-	4	5	1	1
5.2	2289	5500	0	0	1	0.7	-	10	-	-	-	-	-	1	5	1	1
5.2	2289	5501A	1	0	0	0.6	-	14	-	-	-	1	-	2	5	1	1
5.2	2289	5501B	1	0	0	0.5	-	5	-	-	-	-	-	2	5	1	1
5.2	2289	5542	1	0	0	0.9	-	15	-	-	-	2	-	1	5	2	2
5.2	2289	5551	1	0	0	0.6	-	2	-	-	-	-	-	4	3	2	2
5.2	2293	5822	1	0	0	0.8	-	12	-	-	-	-	-	1	2	2	1
5.2	2293	5829	1	0	0	0.8	-	30	-	-	-	1	-	1	5	1	1
5.2	2293	5830	1	0	0	0.8	-	4	-	-	-	-	-	2	5	2	1
5.2	2293	5831	1	0	0	0.9	-	2	-	-	-	-	-	1	2	2	2
5.2	2293	5836	1	0	0	0.7	-	12	-	-	-	2	-	1	4	1	2
5.2	2293	5837	1	0	0	0.7	-	2	-	-	-	1	-	1	2	1	2
5.2	2293	5941	3	0	0	0.9	-	67	-	-	-	2	-	1	5	2	2
5.2	2293	5942	1	0	0	0.4	-	2	-	-	-	2	-	1	5	2	2
5.2	2355	6192	1	0	0	0.8	-	8	-	-	-	-	-	2	3	2	1
5.2	2492	6047	0	0	1	1.2	-	29	-	-	-	-	-	3	1	2	2
5.2	2492	6048	4	0	0	0.9	-	73	-	-	-	2	-	2	5	2	2
5.2	2535	5856	1	0	0	0.6	-	7	-	-	-	-	-	1	3	2	2
5.2	2542	5834	1	0	0	0.6	-	2	-	-	-	2	-	2	5	1	2
5.2	2542	5866	1	0	0	0.7	-	10	-	-	-	-	-	3	2	2	2
5.2	2542	5867	1	0	0	0.6	-	4	-	-	-	2	-	3	1	1	1
5.2	2542	5870	0	1	0	0.6	-	19	-	2	-	2	-	1	3	1	2
5.2	2542	5952	1	0	0	0.7	-	26	-	-	-	2	-	1	3	1	1
5.2	2542	5953	1	0	0	0.9	-	26	-	-	-	-	-	4	3	1	2

PHASE 6

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.1.1	0428	1970	1	0	0	0.5	-	11	-	-	-	-	-	1	5	2	2
6.1.1	0428	1970	1	0	0	0.6	-	23	-	-	-	-	-	1	5	2	2
6.1.1	0428	1984	1	0	0	0.4	-	5	-	-	-	2	-	2	5	1	2
6.1.1	0428	2489	1	0	0	0.8	-	11	-	-	-	-	-	3	5	2	2
6.1.1	0428	3007A	1	0	0	0.7	-	24	-	-	-	2	-	1	3	2	2
6.1.1	0428	3007B	1	0	0	0.8	-	12	-	-	-	1	-	1	5	2	2
6.1.1	0428	3081	1	0	0	0.7	-	5	-	-	-	-	-	1	1	1	2
6.1.1	0428	3200	0	1	0	0.6	12	9	-	1	-	2	-	1	5	1	2
6.1.1	0464	2212	1	0	0	0.5	-	4	-	-	-	4	-	1	5	2	2
6.1.1	0464	2213	1	0	0	0.9	-	19	-	-	-	-	-	1	1	2	2
6.1.1	0464	2215	1	0	0	1.4	-	8	-	-	-	-	-	1	5	2	2
6.1.1	0464	2579	1	0	0	1.2	-	7	-	-	-	-	-	3	3	1	2
6.1.1	0464	3190	1	0	0	0.6	-	19	-	-	-	1	-	2	3	2	2
6.1.1	0464	3196A	21	0	0	0.9	-	236	-	-	-	-	-	1	5	1	2
6.1.1	0464	3196B	8	0	0	0.8	-	41	-	-	-	-	-	3	3	1	2
6.1.1	0464	3196C	1	0	0	0.7	-	19	-	-	-	-	-	1	3	2	2
6.1.1	0464	3196D	1	0	0	0.6	-	6	-	-	-	-	-	3	5	2	1
6.1.1	0464	3220	1	0	0	0.7	-	11	-	-	-	1	-	2	1	1	2
6.1.1	0464	2222	1	0	0	0.7	-	5	-	-	-	-	-	3	1	2	2
6.1.1	0596	5962	1	0	0	0.7	-	33	-	-	-	-	-	3	2	1	2
6.1.1	0596	6097	1	1	0	0.7	-	97	-	7	-	-	2	3	2	1	2
6.1.1	0733	3251	2	0	0	0.7	-	13	-	-	-	-	-	3	1	2	2
6.1.1	0760	3254A	1	0	0	1.2	-	12	-	-	-	-	-	3	5	2	2
6.1.1	0760	3254B	8	0	0	0.7	-	59	-	-	-	-	-	3	1	2	2
6.1.1	0764	3274	1	0	0	0.5	-	-	-	-	-	-	-	3	1	1	2
6.1.1	0764	3275	0	1	0	0.8	16	-	-	7	-	-	2	3	2	1	2
6.1.1	0764	3641A	1	0	0	1.0	-	5	-	-	-	-	-	3	5	1	2
6.1.1	0764	3641B	1	0	1	0.4	-	1	-	-	-	-	-	1	1	1	2
6.1.1	0764	3657	1	0	1	1.0	-	18	-	-	1	-	-	3	5	2	1
6.1.1	0764	5948	2	1	0	0.8	-	36	-	9	-	-	2	4	1	1	2
6.1.1	0766	3323	1	0	0	1.1	-	13	-	-	-	1	-	4	3	2	1
6.1.1	0770	3364A	1	0	0	0.7	-	27	-	-	-	1	-	1	5	2	2
6.1.1	0770	3364B	1	0	0	0.6	-	12	-	-	-	2	-	1	2	1	1
6.1.1	0814	3262	1	0	0	-	-	3	-	-	-	1	-	1	3	2	2
6.1.1	0814	3263	1	0	0	2.5	-	16	-	-	-	-	-	3	1	2	2
6.1.1	0818	3441A	1	-	-	0.8	-	22	-	-	-	2	-	1	1	2	2
6.1.1	0818	3441B	1	0	0	0.8	-	7	-	-	-	-	-	1	5	1	1
6.1.1	0818	3441C	1	0	0	0.4	-	6	-	-	-	-	-	1	5	2	2
6.1.1	0823	3658A	1	0	1	1.0	-	21	-	-	9	-	1	3	3	1	2
6.1.1	0823	3658B	1	0	0	0.8	-	11	-	-	-	-	-	1	5	2	2
6.1.1	0823	3658C	1	0	0	0.5	-	11	-	-	-	2	-	1	3	1	1
6.1.1	0849	3762A	0	0	1	1.1	-	19	-	-	1	-	-	3	1	1	2
6.1.1	0849	3762B	1	0	0	1.5	-	27	-	-	-	-	-	3	3	2	2
6.1.1	0913	3716	1	0	0	0.7	-	10	-	-	-	-	-	3	5	1	2
6.1.1	2024	6191	10	0	0	1.1	-	126	-	-	-	-	-	4	3	2	2
6.1.1	2296	5297	1	0	0	-	-	5	-	-	-	-	-	3	1	2	2
6.1.1	2296	5606	1	0	0	1.0	-	8	-	-	-	-	2	3	2	2	2
6.1.1	2296	5808	1	0	0	0.8	-	6	-	-	-	-	-	2	1	2	2
6.1.1	2309	5416	1	0	0	1.1	-	27	-	-	-	-	-	3	3	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.1.1	2547	5838	4	0	0	0.5	-	32	-	-	-	2	-	6	5	1	1
6.1.1	2556	6069	0	0	1	0.7	-	13	-	-	1	-	-	4	1	2	2
6.1.1	2556	6070A	1	0	0	0.4	-	10	-	-	-	2	-	1	2	2	2
6.1.1	2556	6070B	2	0	0	0.7	-	12	-	-	-	2	-	2	3	2	2
6.1.1	2585	6279	3	0	0	0.9	-	-	-	-	-	-	-	2	4	1	1	2
6.1.1	2585	6793	1	0	0	1.0	-	32	-	-	-	-	-	4	1	2	2
6.1.1	2586	5994	1	0	0	0.5	-	8	-	-	-	2	-	2	5	2	2
6.1.1	2586	6556	3	0	0	0.9	-	24	-	-	-	4	-	4	1	1	2
6.1.1	2586	6634	0	1	0	0.6	14	7	-	5	-	-	-	2	5	1	2
6.1.1	2600	5998	1	0	0	0.5	-	5	-	-	-	2	-	2	5	2	2
6.1.1	2601	6362	1	0	0	0.9	-	11	-	-	-	-	-	1	2	1	1
6.1.1	2698	6381	2	0	0	1.6	-	29	-	-	-	4	-	4	3	2	2
6.1.1	2698	6813	1	0	0	-	-	4	-	7	-	-	1	4	1	2	2
6.1.1	2705	6689	0	0	1	1.0	-	27	-	-	3	-	-	4	2	1	2
6.1.1	2716	6406	1	0	0	1.4	-	16	-	-	-	-	-	4	5	2	1
6.1.1	2716	6794	1	0	0	0.6	-	12	-	-	-	-	-	3	2	1	1
6.1.1	2717	6525A	0	0	1	1.2	-	21	-	-	-	-	-	4	5	2	2
6.1.1	2717	6525B	1	0	0	1.Ø	-	7	-	-	-	4	-	4	1	1	2
6.1.1	2717	6675	1	0	1	2.5	-	114	-	-	1	-	-	4	1	2	1
6.1.1	2717	6676A	3	0	0	2.2	-	104	-	-	-	-	-	8	3	2	2
6.1.1	2717	6676B	3	0	1	1.0	-	44	-	-	3	-	-	2	1	2	2
6.1.1	2717	6676C	0	0	1	1.0	-	10	-	-	3	4	-	4	5	2	2
6.1.1	2721	6451A	1	0	0	1.2	-	14	-	-	-	-	-	8	1	2	2
6.1.1	2721	6451B	5	0	0	1.1	-	37	-	-	-	-	-	4	1	1	2
6.1.1	2736	6518	1	0	0	0.6	-	7	-	-	-	2	-	2	2	1	1
6.1.1	2736	6838	2	0	0	0.6	-	5	-	-	-	-	-	3	2	1	2
6.1.1	2704	6487	1	0	0	1.5	-	12	-	-	-	-	-	4	5	2	1
6.1.2	0763	3322A	2	0	0	0.7	-	42	-	-	-	2	-	1	2	1	2
6.1.2	0763	3322B	4	0	0	0.8	-	55	-	-	-	-	-	2	3	2	2
6.1.2	0768	3324	2	1	0	0.6	-	52	-	9	-	3	-	1	2	1	2
6.1.2	0769	3372	1	0	0	0.7	-	7	-	-	-	2	-	1	5	1	2
6.1.2	0771	3292	1	0	0	0.6	-	74	-	-	-	3	-	1	5	2	2
6.1.2	0771	3292A	6	1	0	0.7	20	137	-	3	-	3	-	2	3	2	2
6.1.2	0771	3292B	1	1	0	0.6	-	30	-	2	-	2	-	1	3	2	2
6.1.2	0771	3292C	1	0	1	0.8	-	23	-	-	1	2	-	5	2	1	2
6.1.2	0771	3292D	6	1	0	1.0	18	100	-	15	-	2	-	1	3	1	2
6.1.2	0771	3292E	1	0	0	0.8	-	16	-	-	-	1	-	2	5	2	2
6.1.2	0771	3311A	3	1	0	0.7	2Ø	6Ø	-	3	-	-	-	1	3	1	2
6.1.2	0771	3311B	1	0	0	0.7	-	9	-	-	-	3	-	5	4	2	2
6.1.2	0771	3311C	0	1	0	0.5	22	58	-	15	-	-	-	1	3	2	2
6.1.2	0771	3311D	0	0	1	1.2	12	32	-	-	-	-	-	1	5	2	2
6.1.2	0771	3325A	1	0	0	0.5	-	8	-	-	-	3	-	2	5	2	2
6.1.2	0771	3325B	0	0	1	0.7	12	56	-	-	9	1	-	1	3	2	2
6.1.2	0771	3325C	1	0	0	0.9	-	31	-	-	-	-	-	1	5	2	2
6.1.2	0771	3325D	1	0	0	0.7	-	18	8	-	-	3	-	2	5	1	2
6.1.2	0771	3325E	1	0	0	0.6	-	26	-	-	-	1	-	2	5	2	1
6.1.2	0771	3366	1	0	0	0.8	-	16	-	-	-	2	-	2	5	2	2
6.1.2	0771	3366B	0	1	0	0.6	18	28	-	16	-	3	-	2	5	1	2
6.1.2	0771	3366C	1	0	0	0.9	-	1Ø	-	-	-	-	-	1	3	2	1
6.1.2	0771	3427A	1	0	0	0.6	-	34	-	-	-	3	-	1	5	2	2
6.1.2	0771	3427B	1	0	0	0.6	-	1Ø	-	16	-	3	-	1	5	2	2
6.1.2	0771	3427C	1	0	0	0.5	-	13	-	-	-	-	-	1	1	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.1.2	0771	3427D	1	0	0	0.4	-	8	-	-	-	-	-	1	5	1	2
6.1.2	0771	3427E	1	0	0	0.6	-	7	-	-	-	-	-	1	5	2	2
6.1.2	0771	3427F	1	0	0	0.7	-	3	-	-	-	2	-	1	2	2	2
6.1.2	0771	3427G	1	0	0	0.4	-	2	-	-	-	-	-	2	5	2	2
6.1.2	0771	3656	0	1	0	0.9	-	9	-	1	-	-	-	1	3	1	2
6.1.2	0772	3889	0	1	0	0.7	-	28	-	15	-	-	-	5	2	1	2
6.1.2	0778	3326	1	0	0	0.7	-	22	-	-	-	2	-	1	5	1	1
6.1.2	0778	3428	1	0	0	0.7	-	16	-	-	-	3	-	1	5	1	1
6.1.2	0786	3312A	1	0	0	1.1	-	29	-	-	-	-	-	1	5	1	1
6.1.2	0786	3312B	1	0	0	0.6	-	10	-	-	-	-	-	1	3	1	2
6.1.2	0852	3696A	0	0	1	0.8	7	53	-	-	1	-	-	1	5	1	2
6.1.2	0852	3696B	1	0	0	1.0	-	60	-	-	-	2	-	1	5	2	2
6.1.2	0852	3696C	1	0	0	0.9	-	16	-	-	-	2	-	1	5	2	2
6.1.2	0852	3696D	1	0	0	0.6	-	11	-	-	-	2	-	1	3	2	2
6.1.2	0852	3768	2	0	0	1.5	-	34	-	-	-	-	-	7	2	2	1
6.1.2	0880	3564	1	0	0	0.8	-	4	-	-	-	2	-	5	5	2	2
6.1.2	0880	3618	1	0	0	0.6	-	5	-	-	-	-	-	2	5	2	2
6.1.2	0880	3620A	5	0	0	0.6	-	37	-	-	-	-	-	2	3	2	2
6.1.2	0880	3620B	1	0	1	0.7	-	52	-	-	-	-	-	2	5	2	2
6.1.2	0880	3620C	1	0	0	0.6	-	5	-	-	-	-	-	1	5	1	2
6.1.2	0880	3704	1	0	0	0.9	-	18	-	-	-	1	-	7	3	1	2
6.1.2	2562	6141A	1	0	0	0.7	-	10	-	-	-	3	-	1	1	1	2
6.1.2	2562	6141B	1	0	0	0.9	-	9	-	-	-	-	-	1	2	1	2
6.1.2	2562	6142A	2	0	0	1.2	-	46	-	-	-	-	-	1	1	2	1
6.1.2	2562	6142B	1	0	0	0.6	-	3	-	-	-	2	-	4	2	2	2
6.1.2	2588	5987	1	0	0	0.7	-	10	-	-	-	2	-	1	5	1	1
6.1.2	2588	6094	1	0	0	0.4	-	5	-	-	-	2	-	2	5	2	2
6.1.2	2757	6637A	3	0	0	0.7	-	53	-	-	-	-	-	1	5	1	2
6.1.2	2757	6637B	1	0	0	0.7	-	19	-	-	-	2	-	2	5	2	2
6.1.2	2757	6637C	1	0	0	0.6	-	6	-	-	-	-	-	2	3	2	2
6.1.2	2757	6661A	2	0	0	0.7	-	7	-	-	-	-	-	6	3	2	2
6.1.2	2757	6661B	2	0	0	1.3	-	10	-	-	-	-	-	4	5	2	2
6.1.2	2757	6661C	0	0	0	-	-	24	-	-	-	-	-	2	1	2	2
6.1.2	2757	6661D	1	0	0	1.2	-	7	-	-	-	-	-	4	2	2	1
6.1.2	2757	6662	3	0	0	0.6	-	17	-	-	-	-	-	1	2	1	1
6.1.2	2757	6663	2	0	0	0.7	-	31	-	-	-	2	-	2	5	2	2
6.1.2	2757	6664	1	1	0	0.8	-	32	-	15	-	2	-	1	5	1	2
6.1.2	2757	6665	10	1	0	0.7	-	149	-	15	-	-	-	2	3	1	2
6.1.2	2757	6677	2	0	0	0.8	-	12	-	-	-	2	-	2	2	2	2
6.1.2	2759	6638A	0	1	0	0.6	-	10	1	5	-	-	-	1	4	1	2
6.1.2	2759	6638B	0	1	0	0.8	16	33	1	3	-	2	-	1	5	1	2
6.1.2	2759	6638C	1	0	0	0.6	-	3	-	-	-	2	-	2	5	1	2
6.1.2	2759	6638D	1	0	0	0.7	-	5	-	-	-	2	-	1	5	1	2
6.1.2	2759	6638E	2	0	0	0.7	-	18	-	-	-	2	-	1	5	1	2
6.1.2	2759	6638F	1	0	0	0.7	-	8	-	-	-	-	-	3	3	1	1
6.1.2	2759	6638G	1	1	0	0.5	-	8	-	16	-	2	-	1	5	1	2
6.1.2	2759	6638H	1	0	0	0.8	-	6	-	-	-	4	-	4	3	2	1
6.2	0586	2757	1	0	0	0.5	-	3	-	-	-	-	-	2	5	1	2
6.2	0586	2759	0	1	0	0.5	-	26	8	3	0	2	-	6	5	1	1
6.2	0586	2761	1	0	0	0.4	-	11	-	-	-	1	-	2	5	1	1
6.2	0586	2762	1	0	0	0.5	-	4	-	-	-	-	-	2	3	2	2
6.2	0586	2940	1	0	0	0.5	-	4	-	-	-	-	-	1	2	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.2	0586	2956	1	0	0	0.6	-	12	-	-	-	2	-	6	5	2	2
6.2	0586	3227	1	0	0	0.8	-	4	-	-	-	-	-	2	1	2	2
6.2	0601	2772	1	0	0	0.7	-	16	-	-	-	-	-	1	5	2	2
6.2	0601	2773	1	0	0	0.8	-	89	-	-	-	2	-	1	5	2	2
6.2	0601	2774	0	1	0	0.7	-	64	-	15	-	3	-	1	2	2	2
6.2	0603	3382	0	1	0	0.7	-	12	8	1	-	3	-	1	3	1	2
6.2	0603	3383	1	0	0	0.7	-	6	-	-	-	2	-	1	5	2	2
6.2	0603	3385	1	0	0	0.6	-	3	-	-	-	-	-	1	1	1	2
6.2	0614	3017	0	1	0	0.5	-	10	-	15	-	1	-	2	5	1	2
6.2	0645	3072	0	1	0	-	-	31	-	3	-	-	-	6	5	1	1
6.2	0715	3158	1	0	0	0.9	-	8	-	-	-	-	-	2	5	2	2
6.2	0715	3159	1	0	0	0.7	-	2	-	-	-	-	-	2	5	2	2
6.2	0715	3218A	1	0	0	0.6	-	7	-	-	-	3	-	1	2	2	2
6.2	0715	3218B	1	0	0	0.6	-	7	-	-	-	2	-	1	5	1	1
6.2	0715	3289A	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
6.2	0715	3289B	1	0	0	0.6	-	2	-	-	-	3	-	2	1	2	2
6.2	0715	3290	2	0	0	0.8	-	18	-	-	-	1	-	1	1	1	2
6.2	0715	3291	1	0	0	0.8	-	-	-	-	-	3	-	1	3	2	2
6.2	0737	3252A	1	0	0	0.5	-	-	-	-	-	2	-	5	2	1	2
6.2	0737	3252B	1	0	0	0.5	-	5.7	-	-	-	3	-	2	5	2	2
6.2	0742	3480	1	0	0	0.7	-	19	-	-	-	2	-	1	2	1	1
6.2	0742	3481	1	0	0	0.8	-	4	-	-	-	2	-	5	5	2	2
6.2	0889	3506	1	0	0	0.5	-	11	-	-	-	2	-	2	5	2	2
6.2	0889	3561	1	0	0	1.5	-	13	-	-	-	-	-	2	1	2	1
6.2	0889	3562	1	0	0	0.6	-	18	-	-	-	2	-	2	5	2	2
6.2	0889	3563	1	0	0	1.7	-	97	-	-	-	-	-	2	3	2	1
6.2	0889	3565	3	0	0	1.4	-	17	-	-	-	-	-	8	3	2	1
6.2	2280	5963	1	1	0	0.4	-	11	-	3	-	-	-	2	1	2	2
6.2	2398	5965	1	0	0	0.6	-	5	-	-	-	2	-	1	1	2	1
6.2	2465	5966	1	0	0	1.2	-	20	-	-	-	-	-	2	5	1	2
6.2	2472	5688	3	0	0	0.6	-	19	-	-	-	2	-	2	1	1	1
6.2	2472	5862	1	0	0	0.6	-	10	-	-	-	2	-	1	5	2	1
6.2	2488	6044	1	0	0	1.0	-	9	-	-	-	2	-	6	5	2	2
6.2	2488	6045	1	0	0	0.7	-	5	-	-	-	-	-	2	5	2	1
6.2	2494	5902	1	0	0	0.6	-	16	-	-	-	-	-	1	2	1	2
6.2	2518	5895	2	0	0	0.4	-	9	-	-	-	2	-	1	5	2	2
6.2	2518	5896	1	0	0	0.7	-	13	-	-	-	-	-	6	5	1	2
6.2	2520	6050	2	0	0	0.8	-	49	-	-	-	2	-	3	3	1	2
6.2	2522	6051	1	0	0	0.6	-	3	-	-	-	2	-	2	2	1	2
6.2	2529	5949	3	0	0	0.7	-	20	-	-	-	2	-	1	1	2	2
6.2	2529	5970	1	0	0	0.7	-	9	-	-	-	2	-	1	5	1	2
6.2	2529	5971	0	1	0	0.7	-	13	8	1	-	2	-	2	5	2	2
6.2	2538	6088	1	0	0	0.6	-	12	-	-	-	2	-	2	3	1	2
6.2	2538	6089	1	0	0	0.6	-	9	-	-	-	1	-	2	5	1	1
6.2	2538	6090	1	0	0	1.0	-	32	-	-	-	3	-	6	5	2	1
6.2	2539	5973	1	0	0	0.6	-	13	-	-	-	2	-	1	3	1	2
6.2	2539	5974A	1	0	0	0.6	-	6	-	-	-	-	-	6	5	1	2
6.2	2539	5974B	1	0	0	0.5	-	2	-	-	-	-	-	2	3	2	2
6.2	2540	5835	1	0	0	0.5	-	-	-	-	-	3	-	2	5	2	2
6.2	2540	5869	1	0	0	0.9	-	58	-	-	-	2	-	1	5	1	1
6.2	2540	5872	1	0	0	0.6	-	6	-	-	-	-	-	6	5	2	2
6.2	2540	5887	1	0	0	0.7	-	9	-	-	-	2	-	1	2	1	1
6.2	2540	5892	1	0	0	0.7	-	22	-	-	-	2	-	1	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.2	2540	5894	1	0	0	0.9	-	16	-	-	-	2	-	2	2	1	2
6.2	2540	5899	1	0	0	0.8	-	14	-	-	-	2	-	2	3	1	2
6.2	2540	5900	1	0	0	0.6	-	6	-	-	-	2	-	1	5	2	2
6.2	2540	6054	2	0	0	0.7	-	14	-	-	-	2	-	2	2	1	2
6.2	2540	6055	1	0	0	0.5	-	16	-	-	-	2	-	1	2	1	2
6.2	2540	6633	1	0	0	0.7	-	3	-	3	-	-	-	2	5	2	2
6.2	2549	6056	1	0	0	0.4	-	12	-	-	-	2	-	1	2	1	2
6.2	2557	5951A	1	0	0	1.2	-	33	-	-	-	2	-	2	5	2	2
6.2	2557	5951B	0	1	0	0.5	-	6	-	2	-	2	-	1	2	2	2
6.2	2569	6092	1	0	0	0.7	-	6	-	-	-	2	-	2	1	1	1
6.3	0383	2120	1	0	0	1.0	-	26	-	-	-	-	-	1	5	1	2
6.3	0383	2135	1	0	0	0.7	-	9	-	-	-	2	-	2	5	1	2
6.3	0383	2621	1	0	0	0.6	-	14	-	-	-	1	-	1	5	2	2
6.3	0439	2610	0	1	0	0.7	14	65	1	3	-	-	-	1	5	1	1
6.3	0476	2737	2	0	0	0.6	-	7	-	-	-	-	-	1	3	1	2
6.3	0521	3147	1	0	0	0.9	-	3	-	-	-	-	-	1	5	2	1
6.3	0521	3188	1	1	0	0.9	-	87	-	12	-	-	1	3	5	2	2
6.3	0521	3258	2	0	0	1.0	-	58	-	-	-	-	-	3	3	2	2
6.3	0582	2954	1	0	0	0.6	-	7	-	-	-	3	-	1	3	1	1
6.3	0582	3040A	5	0	0	0.7	-	55	-	-	-	2	-	1	3	2	2
6.3	0582	3040B	1	0	0	0.4	-	3	-	-	-	3	-	1	2	2	2
6.3	0582	3040C	1	0	0	0.5	-	3	-	-	-	-	-	2	2	1	1
6.3	0582	3128	1	0	0	0.5	-	10	-	2	-	-	-	5	2	1	2
6.3	0584	2739	0	1	0	0.6	-	7	-	9	-	-	-	2	5	2	2
6.3	0584	2742	1	0	0	0.7	-	17	-	-	-	1	-	2	5	1	1
6.3	0584	2744	1	0	0	0.6	-	8	-	-	-	-	-	6	5	2	2
6.3	0584	2745	1	0	0	0.7	-	3	-	-	-	2	-	2	3	1	2
6.3	0584	2751	0	0	1	0.7	-	19	-	-	9	-	-	2	1	1	2
6.3	0584	2753	1	0	0	1.0	-	8	-	-	-	1	-	5	5	2	2
6.3	0585	2777	1	0	0	0.6	-	6	-	-	-	3	-	1	5	2	2
6.3	0585	2778	1	0	0	0.8	-	28	-	-	-	-	-	1	3	2	2
6.3	0585	2784	1	0	0	0.8	-	26	-	-	-	2	-	1	5	2	2
6.3	0585	2786	1	0	0	0.6	-	16	-	-	-	2	-	6	3	2	1
6.3	0587	2779	1	0	0	0.6	-	22	-	-	-	2	-	6	2	1	1
6.3	0587	2938	1	0	0	0.3	-	2	-	-	-	3	-	6	2	2	2
6.3	0632	3231	1	2	0	0.8	22	58	-	1	-	-	-	1	5	1	1
6.3	0747	3315A	0	2	0	0.7	14	30	-	15	-	-	-	1	5	1	2
6.3	0747	3315B	0	1	0	0.8	12	15	-	1	-	-	-	1	5	2	2
6.3	0747	3315C	1	0	1	1.0	16	19	-	3	-	1	-	1	5	2	2
6.3	0747	3315D	0	1	0	0.7	16	14	-	15	-	-	-	1	5	2	2
6.3	0747	3315E	1	0	0	0.5	-	12	-	-	-	1	-	1	1	2	2
6.3	0747	3315F	1	0	0	0.7	-	56	-	-	-	2	-	2	5	1	1
6.3	0747	3315G	1	0	0	0.4	-	6	-	-	-	3	-	1	5	1	2
6.3	0747	3356	1	0	0	0.8	-	15	-	-	-	-	-	1	3	2	1
6.3	0747	3257	1	0	0	0.6	-	17	-	-	-	1	-	2	5	1	1
6.3	0747	3357A	1	0	0	0.8	-	11	-	-	-	-	-	1	5	2	2
6.3	0747	3357B	1	0	0	0.7	-	6	-	-	-	-	-	1	2	2	2
6.3	0747	3357C	1	0	0	0.7	-	4	-	-	-	-	-	2	1	1	2
6.3	0747	3357D	1	0	0	0.8	-	8	-	-	-	2	-	1	2	1	2
6.3	0747	3358	1	0	0	0.8	-	17	-	-	-	1	2	1	1	1	2
6.3	0747	3359A	1	0	0	0.9	-	18	-	-	-	-	-	1	5	2	2
6.3	0747	3359B	1	0	0	0.5	-	7	-	-	-	1	1	2	3	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.3	0747	3360	1	0	0	0.6	-	3	-	-	-	2	-	1	1	2	2
6.3	0747	3362A	1	0	0	0.7	-	33	-	-	-	-	-	1	5	2	2
6.3	0747	3362B	1	0	0	0.7	-	13	-	-	-	-	-	1	5	1	2
6.3	0747	3732A	0	1	0	0.8	-	9	-	5	-	-	-	1	2	2	2
6.3	0747	3732B	2	0	0	0.8	-	23	-	-	-	-	-	1	5	2	1
6.3	0747	3732C	1	0	0	0.8	-	45	-	-	-	-	-	1	3	2	2
6.3	0747	3732D	1	0	0	0.9	-	41	-	-	-	2	-	1	2	2	2
6.3	0747	3732E	1	0	0	0.5	-	6	-	-	-	-	-	5	2	2	2
6.3	0747	3732F	3	1	1	0.6	22	120	7	3	1	-	-	1	2	1	1
6.3	0747	3732G	1	0	0	0.4	-	3	-	-	-	-	-	1	1	2	2
6.3	0747	3732H	1	0	0	0.6	-	2	-	-	-	-	-	1	5	2	2
6.3	0747	3732I	1	0	0	0.7	-	11	-	-	-	2	-	1	5	2	2
6.3	0752	3165A	1	0	0	0.8	-	46	-	-	-	-	-	1	1	2	1
6.3	0752	3165B	1	0	0	0.9	-	5	-	-	-	-	-	2	1	2	2
6.3	0752	3170	1	0	0	1.1	-	14	-	-	-	-	-	1	1	1	2
6.3	0752	3253	1	0	0	1.0	-	6	-	-	-	-	-	3	5	2	2
6.3	0752	3253A	4	1	0	1.2	-	-	-	-	-	-	-	1	1	2	2
6.3	0752	3253B	2	0	0	0.8	-	11	-	-	-	-	-	1	1	2	2
6.3	0752	3298	3	0	0	0.5	-	15	-	-	-	-	-	1	5	2	2
6.3	0753	3320A	0	0	1	1.0	14	21	-	-	1	-	-	3	1	2	2
6.3	0753	3320B	1	0	0	1.0	-	16	-	-	-	-	-	1	3	2	2
6.3	0753	3320C	1	0	0	-	-	27	-	-	-	-	-	1	3	2	2
6.3	0753	3320D	1	0	0	0.8	-	8	-	-	-	-	-	3	5	1	2
6.3	0784	3327	1	0	0	0.8	-	2	-	-	-	-	-	1	3	2	2
6.3	0784	3429A	0	1	0	0.7	-	13	-	15	-	-	-	1	5	1	2
6.3	0784	3429B	1	0	0	0.7	-	19	-	-	-	-	-	1	5	1	2
6.3	0784	3429C	1	0	0	0.7	-	5	-	-	-	2	-	1	5	1	2
6.3	2455	5791	1	0	1	-	9	21	-	-	-	-	-	1	2	1	2
6.3	2455	5821	1	0	0	0.6	-	12	-	-	-	2	-	1	5	1	2
6.3	2455	5823	1	0	0	0.6	-	14	-	-	-	2	-	1	5	1	1
6.3	2455	5863	1	0	0	0.5	-	5	-	-	-	3	-	1	2	2	2
6.3	2517	5967	1	0	0	0.9	-	7	-	-	-	2	-	1	5	2	2
6.3	2517	5969	3	0	0	0.6	-	5	-	-	-	-	-	1	3	1	1
6.3	2530	5826	1	0	0	0.7	-	9	-	-	-	-	-	6	5	2	1
6.3	2530	5827	0	1	0	0.5	-	5	-	15	-	-	-	2	1	2	2
6.3	2530	5828	1	0	0	0.7	-	4	-	-	-	-	-	1	3	2	2
6.3	2530	5871	0	1	0	0.5	-	11	-	1	-	-	-	2	1	1	2
6.3	2530	5946A	1	0	0	0.7	-	14	-	-	-	2	-	2	5	2	2
6.3	2530	5946B	1	1	0	0.5	-	10	-	15	-	2	-	2	1	1	1
6.3	2530	6671A	7	1	0	0.5	-	15	-	1	-	-	1	6	1	1	2
6.3	2530	6671B	1	0	0	0.7	-	3	-	-	-	2	-	1	2	1	2
6.3	2530	6671C	1	0	1	0.5	-	8	-	1	-	-	-	2	2	1	2
6.3	2530	6671D	1	0	0	0.7	-	15	-	-	-	2	-	1	5	1	2
6.3	2530	6671E	3	0	0	0.7	-	21	-	-	-	2	-	1	5	1	2
6.3	2530	6672	1	0	0	1.5	-	18	-	-	-	-	-	4	5	2	2
6.3	2532	5839	0	1	0	0.6	-	5	-	16	-	-	-	1	2	1	2
6.3	2532	5840	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	1
6.3	2532	5841	1	0	0	0.8	-	16	-	-	-	-	-	1	5	2	2
6.3	2532	5842	0	1	0	0.5	-	13	1	3	-	3	-	2	5	2	2
6.3	2532	5843	1	0	0	0.5	-	3	-	-	-	2	-	1	5	2	2
6.4	0352	3091	1	0	0	0.6	-	5	-	-	-	-	-	1	2	1	1
6.4	0426	2035	1	0	0	0.9	-	25	-	-	-	-	-	1	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.4	0426	2999	1	0	0	1.0	-	28	-	-	-	-	-	2	5	2	2
6.4	0426	3018	1	0	0	0.7	-	2	-	-	-	-	-	2	5	2	1
6.4	0426	3021	1	0	0	0.5	-	4	-	-	-	1	-	1	2	2	2
6.4	0426	3023	3	0	0	0.7	-	11	-	-	-	2	-	1	1	1	2
6.4	0426	3035	1	0	0	0.7	-	17	-	-	-	-	-	1	3	1	2
6.4	0426	3037	1	0	0	0.5	-	8	-	-	-	-	-	6	5	2	2
6.4	0426	3637	2	1	0	0.5	-	65	-	10	-	2	-	1	5	1	1
6.4	0438	2397	1	0	0	0.5	-	19	-	-	-	-	-	2	5	2	2
6.4	0457	2214	1	0	0	0.6	-	34	-	-	-	2	-	1	5	2	1
6.4	0457	2217	1	0	0	0.6	-	9	-	-	-	-	-	1	5	1	2
6.4	0457	2224	1	0	0	0.6	-	3	-	-	-	-	-	2	5	2	2
6.4	0457	3008	1	0	0	0.7	-	3	-	-	-	-	-	1	5	1	2
6.4	0492	2467	4	0	0	0.5	-	11	-	-	-	-	-	2	5	2	2
6.4	0492	2597	0	1	0	0.7	8	8	-	1	-	-	-	6	5	1	2
6.4	0492	2616	1	0	0	0.9	-	13	-	-	-	-	-	1	5	1	2
6.4	0492	2618	1	0	0	0.9	-	8	-	-	-	-	-	1	5	2	2
6.4	0492	2770	0	0	1	0.8	12	45	5	-	5	1	-	1	5	1	2
6.4	0495	2326	0	1	0	0.5	14	6	-	15	-	2	-	8	1	2	2
6.4	0495	2327	1	0	0	0.7	-	35	-	-	-	2	-	8	1	2	2
6.4	0495	2330	0	0	1	0.7	10	36	-	-	-	-	-	8	5	1	1
6.4	0495	2912A	1	0	0	0.5	-	4	-	-	-	-	-	1	5	2	2
6.4	0495	2912B	4	0	0	0.7	-	21	-	-	-	-	-	1	2	2	2
6.4	0495	3064	1	0	0	0.8	-	35	-	-	-	3	-	1	5	1	2
6.4	0495	3221A	11	1	0	0.7	12	153	-	3	-	3	-	1	5	1	2
6.4	0495	3221B	1	0	0	0.6	-	4	-	-	-	-	-	1	5	2	2
6.4	0495	3221C	0	1	0	0.8	-	10	-	1	-	-	-	1	5	2	2
6.4	0497	2390	1	0	0	0.5	-	8	-	-	-	-	-	2	3	2	2
6.4	0532	2488	0	1	0	0.5	10	18	-	3	-	2	-	1	2	1	1
6.4	0532	2780	1	0	0	0.6	-	9	-	-	-	2	-	1	2	2	2
6.4	0532	2783	0	1	0	0.5	-	10	-	1	-	1	-	2	3	2	2
6.4	0532	2831A	1	0	0	0.6	-	10	-	-	-	-	-	6	5	2	2
6.4	0532	2831B	1	0	0	0.5	-	7	-	-	-	2	-	1	3	2	2
6.4	0532	2847	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
6.4	0532	3031A	0	1	0	0.6	-	1	-	15	-	-	-	1	2	2	1
6.4	0532	3031B	1	0	0	0.6	-	9	-	-	-	-	-	2	2	1	1
6.4	0532	3032	1	0	0	0.5	-	8	4	-	8	-	-	2	1	2	2
6.4	0532	3049	1	0	0	0.7	-	38	-	-	-	-	-	1	5	1	2
6.4	0532	3086	1	0	0	0.6	-	12	-	-	-	2	-	2	1	1	1
6.4	0532	3087A	0	1	0	0.7	-	8	-	3	-	-	-	1	1	2	2
6.4	0532	3087B	0	1	0	0.4	14	12	-	2	-	-	-	1	2	1	1
6.4	0532	3087C	0	0	1	0.6	12	25	5	-	5	-	-	1	5	2	2
6.5	0532	3087D	1	0	0	1.0	-	64	-	-	-	-	-	1	2	1	2
6.4	0532	3087E	0	0	1	0.7	-	9	-	-	1	2	-	1	2	2	2
6.4	0532	3087F	1	0	0	0.8	-	13	-	-	-	3	-	2	5	2	2
6.4	0532	3087G	1	0	0	0.5	-	8	-	-	-	-	-	1	5	1	1
6.4	0532	3087H	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
6.4	0532	3107	1	0	0	0.5	-	7	-	-	-	-	-	1	5	1	1
6.4	0532	3109A	0	2	0	0.5	18	33	-	15	-	-	-	5	5	1	2
6.4	0532	3109B	1	0	0	0.8	-	9	-	-	-	2	-	1	2	2	2
6.4	0532	3110	1	0	0	0.7	-	22	-	-	-	1	-	1	5	1	1
6.4	0532	3111A	0	1	0	0.8	14	10	-	1	-	-	-	1	1	2	2
6.4	0532	3111B	0	0	1	0.9	-	25	-	-	9	-	-	1	3	2	2
6.4	0532	3112	1	0	0	0.5	-	3	-	-	-	-	-	2	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.4	0532	3127	0	1	0	0.6	26	9	8	3	-	-	-	6	5	2	2
6.4	0532	3203	1	0	0	0.5	-	13	-	-	-	2	-	1	2	2	2
6.4	0532	3222	6	0	0	0.8	-	40	-	-	-	-	-	6	5	2	2
6.4	0532	3301	1	0	0	0.6	-	4	-	-	-	-	-	1	3	2	2
6.4	0532	3315	1	0	0	0.6	-	-	-	-	-	-	-	1	5	1	1
6.4	0532	3357	1	0	0	0.8	-	26	-	-	-	1	-	6	1	2	2
6.4	0532	3352A	0	1	0	0.7	-	6	8	1	-	3	-	1	2	2	2
6.4	0532	3352B	1	0	0	0.6	-	8	-	-	-	-	-	6	3	2	2
6.4	0532	3353A	0	1	0	0.6	-	9	-	2	-	-	-	1	1	2	2
6.4	0532	3353B	0	1	0	0.6	-	4	-	3	-	-	-	1	5	2	2
6.4	0532	3353C	1	0	0	0.7	-	13	-	-	-	1	-	1	2	1	1
6.4	0532	3353D	1	0	0	0.5	-	5	-	-	-	-	-	1	5	2	1
6.4	0537	2529	1	0	0	1.0	-	4	-	-	-	-	-	1	3	2	2
6.4	0537	3080	1	0	0	0.8	-	10	-	-	-	-	-	1	3	2	1
6.4	0537	3104	0	0	1	0.6	-	33	1	2	-	3	-	1	5	1	1
6.4	0537	3105	1	0	0	0.7	-	19	-	-	-	2	-	2	5	1	2
6.4	0537	3134A	5	2	0	0.5	20	-	-	2	-	2	-	1	3	2	2
6.4	0537	3134B	15	0	2	0.7	11	255	-	-	9	2	-	1	5	1	2
6.4	0537	3134C	10	1	0	0.6	-	82	-	15	-	2	-	5	2	2	2
6.4	0537	3134D	0	0	1	1.0	16	35	-	-	1	-	-	6	3	2	1
6.4	0537	3134E	1	0	0	0.7	20	28	-	-	-	-	-	2	5	2	2
6.4	0537	3134F	2	1	0	0.8	-	-	-	9	-	-	-	1	5	2	2
6.4	0537	3134G	0	0	1	1.1	-	34	-	-	9	-	-	1	5	2	2
6.4	0537	3134H	3	0	0	1.2	-	32	-	-	-	1	-	1	5	1	2
6.4	0537	3134I	1	0	0	0.7	-	22	-	-	-	2	-	1	3	2	2
6.4	0537	3134J	1	0	0	0.5	-	8	-	-	-	2	-	1	5	2	2
6.4	0537	3134K	1	0	0	0.4	-	3	-	-	-	2	-	2	5	2	2
6.4	0537	3134L	1	0	0	0.6	-	12	-	-	-	2	-	1	2	1	2
6.4	0537	3134M	1	0	0	0.6	-	23	-	-	-	2	-	5	5	1	2
6.4	0537	3134N	1	0	0	0.6	-	23	-	-	-	2	-	5	5	1	2
6.4	0537	3134O	1	0	0	0.7	-	15	-	-	-	2	-	2	5	1	2
6.4	0537	3134P	1	0	0	0.8	-	19	-	-	-	1	-	2	5	1	1
6.4	0537	3134Q	1	0	0	0.7	-	13	-	-	-	2	-	3	5	2	2
6.4	0537	3134R	2	0	0	0.7	-	15	-	-	-	2	-	2	5	2	2
6.4	0537	3134S	4	0	0	0.7	-	15	-	-	-	2	-	1	5	2	2
6.4	0537	3134T	0	1	0	0.6	-	6	-	1	-	-	-	3	1	1	1
6.4	0537	3205	2	0	0	0.6	-	8	-	-	-	2	-	2	1	2	2
6.4	0537	3207	1	0	0	0.8	-	10	-	-	-	2	-	2	5	1	2
6.4	0537	3224A	2	0	0	0.6	-	20	-	-	-	2	-	5	5	2	2
6.4	0537	3224B	4	1	0	0.7	-	19	-	3	-	3	-	2	5	2	2
6.4	0540	2866A	1	0	0	0.6	-	5	-	-	-	-	-	2	5	2	2
6.4	0540	2866B	1	0	0	0.4	-	2	-	-	-	2	-	2	5	2	2
6.4	0540	2945	1	0	0	1.0	-	11	-	-	-	2	-	2	5	2	2
6.4	0555	2764	1	0	0	1.0	-	-	-	-	-	-	2	1	1	1	2
6.4	0616	2832	0	0	1	0.9	-	15	-	-	1	-	-	2	3	2	2
6.4	0616	3838	1	0	0	0.5	-	3	-	-	-	-	-	2	3	2	2
6.4	0620	2936	0	0	1	0.9	12	18	-	-	1	2	-	7	2	2	2
6.4	0620	3216A	1	0	0	0.7	-	28	-	-	-	2	-	1	2	1	2
6.4	0620	3216B	1	0	0	1.0	-	26	-	-	-	-	-	1	3	1	2
6.4	0620	3216C	1	0	0	0.6	-	2	-	-	-	1	-	2	3	2	2
6.4	0622	2844	1	0	0	1.1	-	26	-	-	-	-	-	1	3	2	2
6.4	0711	3304A	3	0	3	0.8	-	172	5	-	5	1	-	1	5	2	1
6.4	0711	3304B	0	0	1	0.7	16	52	-	-	1	1	-	1	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.4	0711	3304C	2	0	0	0.8	-	19	-	-	-	-	-	1	3	1	1
6.4	0714	3120	1	0	0	0.7	-	14	-	-	-	-	-	6	5	1	2
6.4	0714	3121	0	1	0	0.8	26	27	-	-	-	3	-	2	3	2	2
6.4	0714	3122	1	0	0	0.7	-	6	-	-	-	3	-	2	5	2	2
6.4	0714	3123	1	0	0	0.5	-	4	-	-	-	-	-	2	2	1	2
6.4	0714	3124	1	0	0	0.7	-	9	-	-	-	2	-	1	3	1	2
6.4	0714	3125	1	0	0	0.6	-	13	-	-	-	3	-	2	5	2	2
6.4	0714	3209A	2	0	0	0.6	-	58	-	-	-	-	-	2	3	1	1
6.4	0714	3209B	1	0	0	0.6	-	7	-	-	-	2	-	1	5	2	2
6.4	0714	3241A	1	0	0	0.8	-	18	-	-	-	-	-	1	5	2	2
6.4	0714	3241B	1	0	0	0.5	-	8	-	-	-	-	-	1	5	1	2
6.4	0714	3241C	0	1	0	0.8	-	6	-	3	-	-	-	1	3	2	2
6.4	0714	5940	1	0	0	0.5	-	12	-	-	-	2	-	1	3	1	1
6.4	0718	3155	1	0	0	0.6	-	6	-	-	-	-	-	1	5	1	2
6.4	0718	3210	1	0	0	0.5	-	4	-	-	-	3	-	1	5	2	2
6.4	0718	3210A	1	0	0	0.6	-	15	-	-	-	2	-	1	5	1	1
6.4	0718	3210B	1	0	0	0.6	-	6	-	-	-	2	-	1	1	1	1
6.4	0718	3242A	7	0	1	0.8	14	238	3	-	-	2	-	1	5	1	1
6.4	0718	3242B	0	1	0	0.7	18	60	-	3	-	2	-	1	5	1	1
6.4	0718	3242C	0	1	0	0.7	18	26	-	1	-	2	-	1	5	2	2
6.4	0718	3242D	0	0	2	0.8	10	21	0	0	1	2	0	1	3	2	2
6.4	0718	3242E	0	1	0	0.6	-	8	-	10	-	2	-	1	2	2	1
6.4	0718	3242F	2	0	0	0.4	-	29	-	-	-	2	-	1	2	1	2
6.4	0718	3242G	1	0	0	0.6	-	10	-	-	-	2	-	1	5	1	2
6.4	0718	3242H	1	0	0	0.6	-	27	-	-	-	1	-	1	5	1	2
6.4	0718	3242I	1	0	0	0.5	-	13	-	-	-	-	-	3	3	1	1
6.4	0718	3242J	1	0	0	0.7	-	14	-	-	-	-	-	1	5	2	2
6.4	0718	3242K	1	0	0	0.8	-	16	-	-	-	1	-	5	5	2	1
6.4	0718	3243A	9	1	0	0.6	14	266	-	3	-	2	-	1	5	1	1
6.4	0718	3243B	1	0	0	0.4	-	82	-	-	-	2	-	1	2	1	2
6.4	0718	3243C	0	1	0	0.6	-	22	-	15	-	1	-	2	1	2	2
6.4	0718	3243D	0	1	0	0.4	-	9	-	15	-	-	-	6	3	2	2
6.4	0718	3243E	0	1	0	0.5	18	35	1	3	-	3	-	1	2	1	1
6.4	0718	3243F	0	1	0	0.8	-	62	-	2	-	3	-	1	2	1	2
6.4	0718	3243G	1	1	1	0.6	12	57	-	3	1	2	-	1	2	1	2
6.4	0718	3243H	0	0	1	1.2	10	26	-	-	-	-	-	1	5	1	2
6.4	0718	3243I	0	1	0	0.8	-	32	9	1	-	2	-	1	5	1	2
6.4	0718	3243J	2	0	0	0.7	-	33	-	-	-	-	-	1	2	2	2
6.4	0718	3243K	1	0	0	0.8	18	53	-	-	-	2	-	1	3	2	1
6.4	0718	3243L	1	0	0	0.8	-	12	-	-	-	3	-	1	3	2	1
6.4	0718	3243M	2	0	0	0.7	-	17	-	-	-	2	-	1	3	2	1
6.4	0718	3243N	1	0	0	0.7	-	33	-	-	-	1	-	1	2	1	2
6.4	0718	3245	0	1	0	0.6	-	3	-	3	-	2	-	1	2	2	2
6.4	0718	3247A	1	0	0	0.7	-	16	-	-	-	2	-	2	5	2	2
6.4	0718	3247B	1	0	0	0.6	-	-	-	-	-	2	-	1	2	1	1
6.4	0718	3250	1	0	0	0.6	-	10	-	-	-	-	-	1	3	2	1
6.4	0718	3370A	0	1	0	0.6	-	7	-	10	-	-	-	2	5	2	2
6.4	0718	3370B	1	0	0	0.6	-	6	-	-	-	2	-	1	5	2	2
6.4	0718	3370C	1	0	0	0.4	-	4	-	-	-	2	-	1	2	2	2
6.4	0718	3370D	1	0	0	0.8	-	7	-	-	-	2	-	1	2	2	2
6.4	0718	3370E	1	0	0	1.0	-	19	-	-	-	2	-	1	5	2	2
6.4	0718	3370F	1	0	0	0.7	-	21	-	-	-	-	-	1	5	1	1
6.4	0718	3370G	1	0	0	0.9	-	18	-	-	-	1	-	3	1	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.4	0718	3370H	1	0	0	0.7	-	6	-	-	-	1	-	1	2	2	1
6.4	0718	3370I	1	0	0	0.5	-	8	-	-	-	-	-	2	1	2	2
6.4	0718	3370J	1	0	0	0.4	-	3	-	-	-	-	-	2	1	2	2
6.4	0718	3370K	1	0	0	0.5	-	2	-	-	-	2	-	1	5	1	1
6.4	0718	3370L	1	0	0	0.7	-	3	-	-	-	2	-	2	3	2	2
6.4	0718	3375A	1	0	0	0.7	-	12	-	-	-	3	-	1	2	2	2
6.4	0718	3375B	1	0	0	0.6	-	5	-	-	-	2	-	2	3	2	2
6.4	0724	3250A	1	0	0	0.8	-	7	-	-	-	-	-	1	3	2	2
6.4	0724	3295A	5	0	0	0.8	-	58	-	-	-	2	-	1	5	2	1
6.4	0724	3295B	2	0	0	0.5	-	22	-	-	-	3	-	6	3	1	2
6.4	0724	3295C	3	0	0	0.7	-	41	-	-	-	2	-	1	3	2	1
6.4	0724	3295D	1	0	0	0.8	-	18	-	-	-	2	-	1	1	2	2
6.4	0724	3295E	1	0	0	0.8	-	24	-	-	-	2	-	1	1	2	2
6.4	0724	3295F	1	0	0	0.9	-	17	-	-	-	-	-	1	2	2	1
6.4	0724	3297	2	0	1	0.6	18	90	-	-	1	2	-	1	5	1	2
6.4	0724	3305B	2	0	0	0.9	-	17	-	-	-	-	-	1	2	2	1
6.4	0724	3305C	1	0	0	0.6	-	6	-	-	-	2	-	1	5	2	1
6.4	0724	3305D	1	0	0	0.6	-	10	-	-	-	2	-	1	1	2	1
6.4	0724	3306A	1	0	0	0.7	-	27	-	-	-	2	-	1	3	2	2
6.4	0724	3306B	2	0	0	0.7	-	14	8	-	-	2	-	1	5	1	1
6.4	0724	3306C	2	0	0	0.8	-	23	-	-	-	2	-	1	1	1	1
6.4	2428	5683	2	0	1	0.7	-	19	-	-	3	-	-	1	3	1	2
6.4	2443	5695	0	1	0	0.7	18	22	-	16	-	2	-	1	3	2	1
6.4	2443	5768	2	0	0	0.9	-	134	-	-	-	2	-	1	5	2	2
6.4	2443	5790A	1	1	3	0.6	7	73	-	-	1	-	-	6	1	1	2
6.4	2443	5790B	3	1	0	0.6	-	12	-	1	-	-	-	2	5	2	2
6.4	2449	5722	0	0	2	0.8	-	62	-	-	1	-	-	1	5	1	2
6.4	2449	5725	2	0	0	0.9	-	14	-	-	-	-	-	3	5	2	2
6.4	2449	5728	1	0	0	0.6	-	10	-	-	-	2	-	1	2	1	1
6.4	2449	5729	0	1	0	0.7	-	41	-	15	-	1	-	2	3	1	2
6.4	2449	5735	0	1	0	0.7	-	19	-	16	-	2	-	2	3	2	2
6.4	2449	5772	1	0	0	0.8	-	39	-	-	-	2	-	1	1	2	2
6.4	2449	5773	1	0	0	0.8	-	19	-	-	-	2	-	1	1	2	1
6.4	2449	5774	1	0	0	0.8	-	30	-	-	-	2	-	1	1	2	2
6.4	2449	5775	1	0	0	0.6	-	5	-	-	-	-	-	2	1	2	2
6.4	2449	5776	8	1	0	0.7	-	35	-	5	-	-	-	6	1	1	1
6.4	2449	5787	3	0	0	0.5	-	14	-	-	-	-	-	6	3	1	2
6.4	2466	5603	5	1	1	0.6	11	141	-	2	1	-	-	1	2	1	1
6.4	2466	5666	15	1	4	0.6	-	170	-	-	-	-	-	1	2	1	1
6.4	2466	5671	7	1	0	0.6	-	130	-	-	-	-	-	1	2	1	1
6.4	2466	5740A	7	0	0	0.6	-	29	-	-	-	-	-	1	2	1	1
6.4	2466	5740B	0	1	0	0.6	-	10	-	3	-	2	-	2	1	1	2
6.4	2466	5818	3	1	0	0.5	-	38	-	3	-	-	-	2	5	1	1
6.4	2484	5769	1	0	0	0.7	-	10	-	-	-	2	-	1	1	1	2
6.4	2484	5770	1	0	0	0.7	-	18	-	-	-	2	-	1	3	2	2
6.4	2484	5771	1	0	0	0.9	-	17	-	-	-	2	-	1	3	2	2
6.4	2484	5792	2	0	0	0.7	-	45	-	-	-	2	-	1	2	2	2
6.4	2485	5672	0	1	0	0.6	-	7	-	3	-	1	-	5	5	2	2
6.4	2485	5733	1	0	0	0.6	-	12	-	-	-	1	-	2	5	2	1
6.4	2485	5786	1	0	0	0.5	-	23	-	-	-	2	-	1	3	1	1
6.4	2485	5788	1	0	0	1.0	-	10	-	-	-	2	-	2	2	2	2
6.4	2485	5796A	0	1	0	0.5	-	16	-	15	-	2	-	1	2	1	2
6.4	2485	5796B	0	1	0	0.5	-	13	-	16	-	2	-	1	2	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.4	2485	5796C	1	0	1	0.5	-	11	-	-	1	2	-	1	2	2	2
6.4	2486	5673	1	0	0	0.5	-	17	-	-	-	2	-	6	3	1	1
6.5	0446	2789	1	0	0	0.5	-	2	-	-	-	-	-	2	3	2	2
6.5	0446	2987	1	0	0	0.6	-	16	-	-	-	1	-	1	5	1	1
6.5	0446	3025	6	4	0	0.8	20	600	-	16	-	-	-	1	3	1	2
6.5	0446	3028	0	0	1	0.7	8	15	-	-	1	-	-	1	1	2	2
6.5	0449	2000	0	0	1	0.5	9	37	-	-	10	-	-	1	3	2	2
6.5	0449	2575	0	1	0	0.7	14	9	-	2	-	-	-	1	5	2	2
6.5	0449	2734	1	0	0	0.8	-	21	-	-	-	2	-	6	5	2	2
6.5	0458	2227	1	0	0	0.5	-	7	-	-	-	2	-	1	5	1	2
6.5	0458	3099A	0	1	0	0.5	22	17	-	15	-	-	-	2	5	1	2
6.5	0458	3099B	3	0	0	0.8	-	77	-	-	-	2	-	2	2	1	1
6.5	0488	2321	1	0	0	0.6	-	3	-	-	-	-	-	1	5	1	2
6.5	0488	2367	1	0	0	0.7	-	25	-	-	-	-	-	1	5	2	2
6.5	0488	2436	0	1	0	0.5	12	8	-	1	-	-	-	2	5	2	2
6.5	0488	2703	1	0	0	0.5	-	5	-	-	-	-	-	2	3	2	2
6.5	0494	2884A	1	0	0	0.7	-	8	-	-	-	3	-	1	5	1	2
6.5	0494	2884B	0	1	0	0.6	-	2	-	1	-	-	-	1	1	2	2
6.5	0494	3051	1	0	0	0.5	-	2	-	-	-	-	-	1	5	2	2
6.5	0504	2337	0	4	0	0.6	16	110	-	15	-	1	-	6	5	1	1
6.5	0504	2340A	1	0	0	0.6	-	17	-	-	-	-	-	2	5	2	1
6.5	0504	2340B	1	0	0	0.4	-	6	-	-	-	1	-	2	5	1	1
6.5	0504	2340C	1	0	0	0.8	-	7	-	-	-	-	1	1	5	2	2
6.5	0504	2340D	1	0	0	0.7	-	5	-	-	-	-	-	2	5	1	1
6.5	0504	2347	1	0	0	0.7	-	20	-	-	-	2	-	1	2	1	2
6.5	0504	2348	1	0	0	0.5	-	7	-	-	-	-	-	2	5	2	2
6.5	0504	2349	0	1	0	0.6	16	9	-	15	-	-	-	6	5	2	2
6.5	0504	2350	1	0	0	0.6	-	3	-	-	-	-	-	1	1	2	2
6.5	0504	2356	12	0	0	0.6	-	54	-	-	-	-	-	6	5	2	2
6.5	0504	2358	0	1	0	0.3	-	2	-	-	-	-	-	2	5	2	2
6.5	0504	2359	0	0	1	0.8	-	16	-	-	1	-	-	2	5	1	2
6.5	0504	2360	0	1	0	0.6	-	4	-	15	-	-	-	1	5	2	2
6.5	0504	2361	1	0	0	0.3	-	2	-	-	-	-	-	2	3	2	2
6.5	0504	2362	19	0	0	0.6	-	60	-	-	-	-	-	6	5	2	2
6.5	0504	2363	4	0	0	0.6	-	18	-	-	-	-	-	2	5	2	2
6.5	0504	2364	1	0	0	0.7	-	5	-	-	-	-	-	2	5	2	2
6.5	0504	2420	1	0	0	0.9	-	13	-	-	-	1	-	2	5	2	2
6.5	0504	2708	0	0	1	1.0	12	51	-	-	-	-	-	1	5	2	2
6.5	0505	2405	1	0	0	0.5	-	4	-	-	-	2	-	1	2	1	1
6.5	0505	2407	1	0	0	0.6	-	6	-	-	-	-	-	6	5	2	2
6.5	0505	2408	1	0	0	0.8	-	5	-	-	-	-	-	1	5	2	2
6.5	0505	2409	1	0	0	0.4	-	4	-	-	-	-	-	2	3	2	2
6.5	0505	2654	1	0	0	0.5	-	4	-	-	-	-	-	1	3	1	2
6.5	0531	2570	0	1	0	0.8	-	5	-	15	-	-	-	2	1	2	2
6.5	0533	2527	1	0	0	0.6	-	3	-	-	-	-	-	5	5	2	2
6.5	0533	2537	1	0	0	0.6	-	3	-	-	-	-	-	2	5	2	2
6.5	0533	2828	0	1	0	0.7	-	10	-	9	-	-	-	2	5	1	2
6.5	0536	2541	1	0	0	0.5	-	37	-	-	-	-	-	1	5	1	1
6.5	0536	2548	1	0	0	0.5	-	4	-	-	-	2	-	2	5	1	2
6.5	0536	2602	1	0	1	0.3	-	5	-	-	-	-	-	2	5	1	2
6.5	0536	2603	0	1	0	0.7	24	19	-	2	-	2	-	1	5	2	2
6.5	0536	2900	0	0	3	0.5	12	52	2	-	3	-	-	2	3	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.5	0552	3019	0	1	0	0.5	12	13	-	5	-	-	-	2	5	2	2
6.5	0562	2649	1	0	0	0.5	-	6	-	-	-	1	-	1	3	1	2
6.5	0562	2650	1	0	0	0.7	-	9	-	-	-	3	-	2	5	1	1
6.5	0562	2747	0	1	0	0.7	-	13	-	16	-	3	-	1	3	2	2
6.5	0562	2748	1	0	0	0.8	-	14	-	-	-	3	-	2	1	2	2
6.5	0562	2752	0	1	0	0.7	-	49	-	15	-	2	-	1	5	2	2
6.5	0562	2754A	1	0	0	0.7	-	15	-	-	-	2	-	5	5	2	2
6.5	0562	2754B	1	0	0	0.7	-	10	-	-	-	3	-	5	2	2	2
6.5	0562	2754C	1	0	0	0.6	-	7	-	-	-	-	-	1	1	1	2
6.5	0574	2743	3	1	0	0.5	-	21	-	3	-	-	-	2	5	2	2
6.5	0574	2766	1	0	0	0.6	-	6	-	-	-	-	-	2	5	2	1
6.5	0574	2803	0	1	0	0.5	-	20	1	3	-	-	-	2	5	2	2
6.5	0574	2805	1	0	0	0.5	-	6	-	-	-	2	-	2	5	1	2
6.5	0574	3070	0	1	0	0.5	-	10	-	-	-	1	-	6	5	2	2
6.5	0574	3071	2	0	0	0.5	-	33	-	-	-	-	-	6	3	2	2
6.5	0578	2625	1	0	0	0.5	-	11	-	-	-	-	-	1	5	2	2
6.5	0578	2671	1	0	0	0.6	-	9	-	-	-	-	-	2	3	2	2
6.5	0578	2672	1	0	0	0.6	-	5	-	-	-	2	-	1	2	2	2
6.5	0578	2674	1	0	0	0.7	-	15	-	-	-	2	-	1	5	2	1
6.5	0578	2675	1	0	0	0.6	-	12	-	-	-	-	-	1	5	1	1
6.5	0578	2676	2	0	0	0.8	-	32	-	-	-	2	-	1	2	2	2
6.5	0578	2677	1	0	0	0.5	-	6	-	-	-	1	-	2	5	2	2
6.5	0578	2678	1	0	0	0.5	-	5	-	-	-	2	-	1	3	2	2
6.5	0578	2679	0	0	1	0.6	-	22	-	-	9	-	-	1	5	1	1
6.5	0578	2680	1	0	0	0.8	-	13	-	-	-	-	-	1	5	2	2
6.5	0578	2710	1	0	0	0.5	-	4	-	-	-	2	-	1	5	2	2
6.5	0578	2711	0	1	0	0.6	-	3	-	4	-	-	-	1	5	2	2
6.5	0578	2712	0	1	0	0.6	-	10	-	15	-	-	-	6	3	2	2
6.5	0578	2714	1	0	0	0.5	-	15	-	-	-	-	-	1	2	1	1
6.5	0578	2715	1	0	0	0.3	-	15	-	-	-	-	-	5	2	2	2
6.5	0578	2716	0	1	0	0.6	14	12	-	15	-	-	-	6	5	1	2
6.5	0578	2719	1	0	0	0.5	-	6	-	-	-	-	-	2	5	2	2
6.5	0578	2721	1	0	0	0.8	-	21	-	-	-	-	-	1	2	1	1
6.5	0578	2722	0	1	0	0.7	9	10	-	1	-	-	-	2	5	2	2
6.5	0578	2723	0	1	0	0.5	-	6	-	5	-	-	-	2	5	2	2
6.5	0578	2724	1	0	0	0.6	-	9	-	-	-	1	-	1	5	2	1
6.5	0578	2727	1	0	0	0.5	-	4	-	-	-	-	-	1	5	2	1
6.5	0578	2729	1	0	0	0.6	-	11	-	-	-	1	-	1	5	2	2
6.5	0578	2730	1	0	0	0.6	-	20	-	-	-	1	-	2	5	2	1
6.5	0578	2732	1	1	0	0.8	-	28	-	5	-	-	-	2	5	2	2
6.5	0578	2732A	2	0	0	0.6	-	12	-	-	-	2	-	1	2	2	2
6.5	0578	2732B	2	0	0	0.8	-	37	-	-	-	3	-	1	5	2	2
6.5	0578	2732C	1	0	0	0.6	-	9	-	-	-	-	-	1	5	2	2
6.5	0578	2732D	1	0	0	0.5	-	5	-	-	-	-	-	1	2	2	1
6.5	0578	2741A	0	1	0	0.9	18	44	-	3	-	-	-	1	5	2	2
6.5	0578	2741B	0	1	0	0.5	-	8	-	16	-	2	-	1	3	2	2
6.5	0578	2741C	1	0	0	0.9	-	32	-	-	-	-	-	1	5	2	2
6.5	0578	2765	1	0	0	1.1	-	25	-	-	-	2	-	1	5	2	2
6.5	0578	2769	1	0	0	0.8	-	53	-	-	-	-	-	1	2	1	2
6.5	0578	2801	1	0	0	0.5	-	8	-	-	-	-	-	2	2	2	2
6.5	0578	2802	0	1	0	0.7	-	5	-	15	-	-	-	2	3	2	2
6.5	0578	2804	1	0	0	0.9	-	14	-	-	-	2	-	6	5	2	2
6.5	0578	2809	1	0	0	0.5	-	11	-	-	-	-	-	1	2	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.5	0578	2810	3	0	0	0.5	-	28	-	-	-	-	-	1	5	2	2
6.5	0578	2830	1	0	0	0.6	-	4	-	-	-	1	-	1	2	2	2
6.5	0578	2833	1	0	0	0.6	-	3	-	-	-	-	-	1	2	2	2
6.5	0578	2841	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
6.5	0578	2842	1	0	0	0.8	-	2	-	-	-	-	-	1	5	2	2
6.5	0578	2867	1	0	0	0.6	-	2	-	-	-	-	-	2	5	2	2
6.5	0579	2952	1	0	0	0.7	-	6	-	-	-	-	-	1	2	1	1
6.5	0583	2955	1	0	0	0.7	-	9	-	-	-	-	-	1	1	2	2
6.5	0605	2984	1	0	0	0.8	-	19	-	-	-	3	-	1	5	1	1
6.5	0617	2836	0	1	0	0.5	4	10	-	1	-	-	-	1	5	2	2
6.5	0617	2839	1	0	0	1.1	-	8	-	-	-	2	-	1	5	1	2
6.5	0617	2843	1	0	0	0.4	-	3	-	-	-	2	-	6	5	1	2
6.5	0617	2845A	1	0	0	0.6	-	2	-	-	-	2	-	2	3	1	2
6.5	0617	2845B	1	0	0	0.7	-	1	-	-	-	2	-	2	1	2	2
6.5	0617	2851A	1	0	0	0.5	-	10	-	-	-	1	-	2	5	1	1
6.5	0617	2851B	1	0	0	0.5	-	5	-	-	-	-	-	2	3	2	2
6.5	0617	2852	0	0	1	0.9	-	17	-	-	1	-	-	1	5	1	2
6.5	0617	2911	1	0	0	0.5	-	9	-	-	-	-	-	1	2	2	2
6.5	0617	2911A	1	0	0	0.5	-	2	-	-	-	2	-	2	3	2	2
6.5	0617	2911B	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
6.5	0623	3088	1	0	1	0.5	-	45	-	-	1	2	-	2	5	1	1
6.5	0624	3142	1	0	0	0.6	-	4	-	-	-	-	-	6	5	2	2
6.5	0624	3143	1	0	0	0.7	-	4	-	-	-	-	-	6	1	2	2
6.5	0630	3213A	1	0	0	0.8	-	46	-	-	-	-	-	1	5	2	2
6.5	0630	3213B	2	0	0	0.5	-	34	-	-	-	2	-	5	2	1	2
6.5	0637	3010A	1	0	3	0.7	12	37	-	-	3	2	-	2	5	1	2
6.5	0637	3010B	2	0	0	0.6	-	10	-	-	-	2	-	1	1	1	2
6.5	0637	3026	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	2
6.5	0637	3076	0	1	0	0.5	-	9	-	2	-	-	-	1	1	1	2
6.5	0637	3077A	1	0	0	0.6	-	14	-	-	-	1	-	1	5	2	1
6.5	0637	3077B	1	0	0	0.7	-	8	-	-	-	3	-	2	5	1	2
6.5	0637	3078A	1	0	0	0.7	-	16	-	-	-	-	-	1	5	1	1
6.5	0637	3078B	1	0	0	0.8	-	8	-	-	-	-	-	1	5	2	2
6.5	0637	3078C	1	0	0	0.5	-	3	-	-	-	-	-	1	1	2	2
6.5	0648	2855	1	0	0	0.8	-	3	-	-	-	-	-	1	1	2	2
6.5	0663	2981	0	1	0	0.5	14	6	-	1	-	-	-	6	5	2	2
6.5	0674	3012	1	0	0	0.7	-	29	-	-	-	-	-	1	5	1	2
6.5	0674	3014	1	0	0	0.4	-	5	-	-	-	2	-	1	1	1	2
6.5	0674	3036	0	0	1	0.6	-	16	-	-	1	-	-	1	5	2	2
6.5	0688	3215	1	0	0	0.5	-	4	-	-	-	2	-	1	2	1	2
6.5	0688	3302	1	0	0	0.6	-	21	-	-	-	2	-	1	3	1	2
6.5	0696	3157	0	1	0	0.3	-	3	-	16	-	-	-	1	2	1	1
6.5	0697	3053	2	0	0	0.7	-	19	-	-	-	-	-	5	5	2	2
6.5	0697	3054	1	0	0	0.5	-	5	-	-	-	2	-	1	2	2	2
6.5	0697	3057	1	0	0	0.5	-	3	-	-	-	-	-	5	5	2	2
6.5	0697	3059	1	0	0	0.6	-	8	-	-	-	-	-	5	5	2	2
6.5	0697	3060	1	0	0	0.7	-	2	-	-	-	-	-	1	5	2	2
6.5	0697	3061	1	0	0	0.8	-	18	-	-	-	2	-	1	3	1	1
6.5	0697	3062	1	0	0	0.8	-	18	-	-	-	2	-	1	5	1	1
6.5	0697	3063	1	0	0	0.5	-	13	-	-	-	2	-	2	5	2	2
6.5	0697	3065	0	1	0	1.0	-	8	-	-	-	3	-	1	3	2	2
6.5	0697	3066	0	1	0	0.3	12	5	-	15	-	-	-	1	5	2	2
6.5	0697	3067	1	0	0	0.8	-	4	-	-	-	2	-	1	2	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.5	0697	3100A	1	0	0	1.0	-	24	-	-	-	-	-	5	3	2	1
6.5	0697	3100B	1	0	0	1.0	-	8	-	-	-	2	-	5	5	2	1
6.5	0697	3130	1	0	0	0.5	-	16	-	-	-	2	-	1	5	1	2
6.5	0697	3236	1	0	0	0.3	-	2	-	-	-	2	-	1	5	2	2
6.5	0698	3068	38	3	1	0.6	-	355	-	15	1	2	-	1	5	1	1
6.5	0698	3113	1	0	0	0.4	-	43	-	-	-	2	-	1	5	1	2
6.5	0698	3114	1	0	0	0.6	-	15	-	-	-	2	-	1	5	1	2
6.5	0698	3117	3	0	0	0.5	-	17	-	-	-	2	-	5	5	1	2
6.5	0698	3115	1	0	0	0.6	-	14	-	-	-	2	-	1	5	1	2
6.5	0698	3116	1	0	0	0.6	-	15	-	-	-	2	-	1	5	1	2
6.5	0698	3119	0	1	0	0.5	-	5	-	15	-	2	-	5	5	2	2
6.5	0698	3172	1	0	0	0.6	-	6	-	-	-	3	-	1	2	1	1
6.5	0698	3237	1	0	0	0.7	-	13	-	-	-	-	-	1	5	2	2
6.5	0698	3287	1	0	0	0.5	-	5	-	-	-	-	-	2	5	2	2
6.5	2417	5569	1	0	0	0.8	-	29	-	-	-	1	-	1	5	1	2
6.5	2417	5570	1	0	0	1.0	-	13	-	-	-	-	-	2	5	2	2
6.5	2417	5675	1	0	0	0.9	-	6	-	-	-	2	-	1	5	2	1
6.5	2418	5527	1	0	0	0.6	-	14	-	-	-	2	-	2	5	2	1
6.5	2418	5571	1	1	0	0.8	-	24	-	1	-	-	-	1	5	2	2
6.5	2418	5582	1	0	0	-	-	7	-	-	-	-	-	1	2	1	2
6.5	2423	5538	0	1	0	0.6	-	17	-	3	-	-	-	1	5	1	1
6.5	2423	5629	0	1	0	0.8	-	15	-	3	-	-	-	2	5	1	2
6.5	2423	5708	1	0	1	0.8	-	25	-	-	-	2	-	1	5	2	2
6.5	2431	5600	1	0	0	0.6	-	21	-	-	-	2	-	1	1	1	2
6.5	2431	5621	1	0	0	0.5	-	2	-	-	-	2	-	2	5	2	2
6.5	2431	5736	1	0	0	0.5	-	3	-	-	-	-	-	6	1	2	2
6.5	2434	5566	1	0	0	0.8	-	5	-	-	-	-	-	1	2	1	1
6.5	2436	5573	1	0	0	0.6	-	12	-	-	-	1	-	1	5	1	2
6.5	2436	5639	1	0	0	1.1	-	3	-	-	-	-	-	1	5	2	2
6.5	2436	5737	3	0	0	0.6	-	6	-	-	-	-	-	2	5	2	2
6.5	2438	5797	1	0	0	0.8	-	16	-	-	-	-	-	1	5	1	2
6.5	2438	5799	1	0	0	0.8	-	14	-	-	-	2	-	1	1	2	2
6.5	2438	5802	1	0	0	0.5	-	7	-	-	-	2	-	2	1	1	1
6.5	2438	5817	1	0	0	0.5	-	12	-	-	-	-	-	1	5	2	2
6.5	2448	5565	1	0	0	1.0	-	58	-	-	-	-	-	2	2	1	1
6.5	2448	5584	1	0	0	0.5	-	9	-	-	-	-	-	2	5	1	2
6.5	2448	5585	0	0	1	1.1	-	32	-	-	1	-	-	2	5	2	2
6.5	2470	5601	1	0	0	0.9	-	32	-	-	-	2	-	1	3	1	2
6.5	2470	5741	2	0	0	0.5	-	32	-	-	-	2	-	2	5	2	1
6.5	2470	5793	90	4	3	-	20	630	-	3	1	-	-	2	1	2	1
6.5	2470	5804	1	0	0	0.7	-	3	-	-	-	-	-	2	5	1	1
6.5	2470	5819A	15	1	2	0.7	-	147	8	-	1	-	-	2	1	1	2
6.5	2470	5819B	5	0	0	0.8	-	138	-	-	-	2	-	2	3	2	2
6.6	0431	2045	0	1	0	0.6	-	29	-	15	-	-	-	1	2	1	2
6.6	0431	2049A	0	0	1	0.7	-	13	-	-	-	1	-	2	5	2	2
6.6	0431	2049B	0	1	0	0.5	-	7	-	1	-	1	-	2	5	1	2
6.6	0431	2049C	1	0	0	0.7	-	5	-	-	-	-	-	2	5	2	1
6.6	0431	2059	0	0	1	0.6	18	10	-	-	1	-	-	6	5	2	1
6.6	0431	2060	1	0	0	0.5	-	12	-	-	-	-	-	2	5	1	1
6.6	0440	2718	0	1	0	0.6	-	7	-	1	-	-	-	2	1	2	2
6.6	0452	2279A	1	0	1	0.6	16	35	-	-	1	-	-	1	5	1	1
6.6	0452	2297B	10	0	1	0.6	16	250	-	-	-	-	-	1	5	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.6	0465	2873	1	0	0	0.6	-	10	-	-	1	-	-	1	3	2	2
6.6	0465	2874	0	1	0	0.5	-	6	-	15	-	-	-	2	5	2	2
6.6	0514	2451	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
6.6	0514	2452	1	0	0	0.5	-	6	-	-	-	-	-	1	5	2	2
6.6	0514	2470	1	0	0	0.9	-	8	-	-	-	2	-	2	1	2	2
6.6	0514	2471	1	0	0	0.5	-	6	-	-	-	3	-	1	2	1	1
6.6	0514	2472	2	0	0	0.4	-	4	-	-	-	2	-	2	2	2	2
6.6	0514	2490	1	0	0	0.7	-	7	-	-	-	2	-	1	5	2	2
6.6	0514	2493	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	2
6.6	0514	2888A	1	0	0	0.7	-	52	-	-	-	2	-	1	5	1	2
6.6	0514	2888B	1	0	0	0.5	-	3	-	-	-	-	-	5	2	1	2
6.6	0514	2889	1	0	0	0.6	-	2	-	-	-	3	-	2	3	2	2
6.6	0514	2895	1	0	0	0.7	-	18	-	-	-	-	-	1	3	1	2
6.6	0559	2913	0	0	1	0.6	12	22	-	-	9	-	-	2	5	2	2
6.6	0636	3009	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	1
6.6	0636	3011	0	1	0	0.6	22	15	-	1	-	-	-	1	5	1	1
6.6	0636	3013	1	0	0	0.6	-	14	-	-	-	-	-	1	5	2	1
6.6	0636	3232	0	0	1	0.5	14	8	-	-	1	-	-	1	5	2	2
6.6	0650	3016	1	0	0	0.6	-	17	-	-	-	-	-	1	3	1	2
6.6	2338	5412	0	0	1	0.6	12	25	-	-	1	3	-	1	5	1	1
6.6	2338	5418	1	0	0	0.6	-	9	-	-	-	2	-	1	5	2	2
6.6	2338	5477A	1	0	0	0.4	-	3	-	-	-	3	2	1	5	1	2
6.6	2338	5477B	2	0	0	0.7	-	9	-	-	-	-	-	1	3	2	2
6.6	2338	5477C	1	0	0	0.8	-	5	-	-	-	-	-	2	5	2	2
6.6	2338	5477D	1	0	0	0.8	-	8	-	-	-	-	-	1	5	2	1
6.6	2338	5477E	1	0	0	0.5	-	3	-	-	-	-	-	1	5	1	2
6.6	2338	5477F	1	0	0	0.7	-	3	-	-	-	-	-	3	5	2	1
6.6	2396	5556	1	0	0	0.9	-	29	-	-	-	-	-	1	5	1	2
6.6	2419	5532	1	0	0	0.7	-	16	-	-	-	-	-	2	5	2	2
6.6	2447	5563	1	0	0	0.5	-	8	-	-	-	-	-	1	2	2	1
6.7	0095	0344	1	0	0	0.5	-	9	-	-	-	-	-	5	5	2	2
6.7	0095	0521	1	0	0	0.4	-	4	-	-	-	1	-	6	1	2	2
6.7	0095	0780	1	0	0	0.4	-	24	-	-	-	3	-	1	2	2	2
6.7	0095	0802	1	0	0	0.9	-	3	-	-	-	-	-	1	1	2	2
6.7	0095	0803	1	0	0	0.6	-	5	-	-	-	-	-	1	2	2	2
6.7	0095	0900	1	0	0	0.5	-	32	-	-	-	2	-	1	2	2	2
6.7	0095	0909	1	0	0	0.8	-	6	-	-	-	-	-	1	3	2	2
6.7	0095	0910	1	0	0	1.0	-	6	-	-	-	1	-	1	5	2	2
6.7	0095	0911A	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	2
6.7	0095	0911B	1	0	0	0.8	-	2	-	-	-	-	-	1	2	2	2
6.7	0095	0914	1	0	0	0.7	-	2	-	-	-	-	-	1	3	2	2
6.7	0095	0915	1	0	0	0.8	-	6	-	-	-	-	-	1	1	2	2
6.7	0095	0917	1	0	0	0.5	-	3	-	-	-	-	-	1	2	2	2
6.7	0095	1043	1	0	0	0.5	-	6	-	-	-	-	-	1	5	2	2
6.7	0095	1046A	0	1	0	0.5	18	17	-	16	-	-	-	1	5	2	2
6.7	0095	1046B	1	0	0	0.6	-	13	-	-	-	-	-	2	3	2	2
6.7	0095	1046C	1	0	0	0.7	-	6	-	-	-	-	-	1	3	2	2
6.7	0095	1046D	1	0	0	0.3	-	4	-	-	-	-	-	5	2	2	2
6.7	0098	0804	1	0	0	1.3	-	7	-	-	-	-	-	1	2	2	2
6.7	0098	0807	1	0	0	0.6	-	6	-	-	-	-	-	1	5	2	2
6.7	0098	1067A	0	0	1	0.8	18	-	-	-	9	-	-	1	5	2	2
6.7	0098	1067B	0	0	1	0.9	-	31	-	-	-	-	-	1	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0295	1490A	1	0	0	0.8	-	12	-	-	-	-	-	1	5	2	2
6.7	0295	1490B	0	1	0	0.5	-	3	-	16	-	-	-	1	5	2	2
6.7	0295	1505	1	0	0	0.6	-	5	-	-	-	-	-	1	5	1	2
6.7	0297	1166	1	0	0	0.4	-	5	-	-	-	2	-	1	2	1	2
6.7	0298	2686	1	0	0	1.0	-	5	-	-	-	-	-	1	3	2	2
6.7	0299	1172	1	0	0	0.7	-	8	-	-	-	-	-	1	3	2	2
6.7	0338	1441	1	0	0	0.8	-	14	-	-	-	3	-	2	2	2	2
6.7	0338	1404	1	0	0	0.7	-	18	-	-	-	-	-	6	5	2	1
6.7	0338	1627	1	0	0	0.4	-	8	-	-	-	4	-	2	5	2	2
6.7	0420	2143	1	0	0	0.8	-	12	-	-	-	-	-	1	5	1	2
6.7	0420	2152	1	0	0	1.0	-	8	-	-	-	-	-	1	2	2	2
6.7	0420	2154	0	0	1	1.0	-	15	-	-	-	-	-	1	3	2	2
6.7	0420	2247	1	0	0	0.7	-	2	-	-	-	1	-	1	5	2	2
6.7	0420	2263	1	0	0	0.7	-	2	-	-	-	-	-	1	5	2	2
6.7	0420	2266	1	0	0	0.5	-	28	-	-	-	-	-	1	1	2	2
6.7	0420	2267	1	1	0	0.5	-	7	-	1	-	-	-	1	3	2	2
6.7	0420	2282	1	0	0	0.5	-	2	-	-	-	-	-	1	1	2	2
6.7	0420	2591	1	0	0	0.6	-	7	-	-	-	-	-	5	5	2	2
6.7	0420	2697	1	0	0	0.6	-	18	-	-	-	-	-	1	3	2	2
6.7	0420	2812	1	0	0	0.6	-	6	-	-	-	3	-	1	3	1	2
6.7	0420	2812A	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	2
6.7	0420	2812C	1	0	0	0.5	-	4	-	-	-	2	-	2	5	1	1
6.7	0420	2813	1	0	0	0.4	-	2	-	-	-	-	-	2	5	2	2
6.7	0420	2815	1	0	0	0.8	-	18	-	-	-	2	-	1	2	2	2
6.7	0420	2817	0	0	1	1.2	-	35	-	-	-	-	-	1	3	2	2
6.7	0422	2044A	1	0	0	0.9	-	12	-	-	-	-	-	1	1	1	2
6.7	0422	2044B	0	1	0	0.6	-	6	-	1	-	-	-	1	2	1	1
6.7	0422	2050	0	0	1	0.8	12	53	-	-	1	2	-	2	2	1	2
6.7	0422	2062	0	1	0	0.7	-	24	-	15	-	-	-	1	5	1	1
6.7	0422	2067	1	0	0	0.5	-	8	-	-	-	2	-	1	2	1	1
6.7	0422	2117A	1	0	0	0.5	-	6	-	-	-	-	-	1	5	2	2
6.7	0422	2117B	1	0	0	0.8	-	17	-	-	-	3	-	1	5	2	2
6.7	0422	2117C	1	0	0	0.7	-	9	-	-	-	3	-	1	1	1	2
6.7	0422	2128	1	0	0	1.1	-	24	-	-	-	-	-	1	3	1	2
6.7	0422	2137	1	0	0	0.8	-	13	-	-	-	3	-	1	5	2	2
6.7	0422	2191	1	0	0	0.6	-	3	-	-	-	3	-	2	5	2	2
6.7	0422	2232A	1	0	0	0.8	-	33	-	-	-	-	-	1	3	2	2
6.7	0422	2232B	1	0	0	1.1	-	-	-	-	-	-	-	1	3	1	2
6.7	0422	2698	6	1	0	0.6	14	47	-	15	-	2	-	1	1	2	2
6.7	0422	2698	0	0	1	0.7	-	9	-	-	1	-	-	1	1	1	2
6.7	0433	2140	1	0	0	0.8	-	28	-	-	-	-	-	2	5	2	2
6.7	0433	2156	0	1	0	0.8	14	14	8	1	-	-	-	1	3	1	1
6.7	0433	2157	1	0	0	0.8	-	18	-	-	-	-	-	1	3	2	2
6.7	0433	2168	1	0	0	0.8	-	11	-	-	-	-	-	1	3	1	2
6.7	0433	2180	1	0	0	0.8	-	7	-	-	-	1	-	1	3	1	2
6.7	0433	2572	0	1	0	0.6	-	22	-	1	-	-	-	1	5	1	1
6.7	0443	2383A	1	0	0	0.3	-	5	-	-	-	1	-	2	5	1	2
6.7	0443	2383B	1	0	0	0.5	-	7	-	-	-	-	-	1	5	2	2
6.7	0447	2389	1	0	0	0.5	-	3	-	-	-	2	-	1	5	2	2
6.7	0468	2252	1	0	0	0.5	-	4	-	-	-	-	-	6	5	2	2
6.7	0468	2256	1	0	0	0.5	-	4	-	-	-	-	-	6	5	2	2
6.7	0468	2353A	1	0	0	0.5	-	3	-	-	-	-	-	2	3	2	2
6.7	0468	2353B	1	0	0	0.6	-	3	-	-	-	-	-	2	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0468	2368	1	0	0	1.0	-	37	-	-	-	-	-	1	5	1	1
6.7	0481	2392	1	0	0	0.6	-	19	-	-	-	3	-	6	5	2	2
6.7	0481	2393A	0	0	1	0.8	13	61	-	-	1	-	-	1	2	1	1
6.7	0481	2393B	0	0	1	0.8	20	24	-	-	9	-	-	1	5	2	2
6.7	0481	2396	0	1	0	0.7	-	12	-	1	-	-	-	1	2	1	1
6.7	0481	2398	0	1	0	0.6	24	22	-	16	-	-	-	2	5	2	2
6.7	0481	2400	1	0	0	0.6	-	26	-	-	-	3	-	2	5	2	2
6.7	0481	2401	1	0	0	0.6	-	13	-	-	-	2	-	1	2	1	1
6.7	0481	2402	1	0	0	0.8	-	25	-	-	-	1	-	1	1	1	1
6.7	0481	2403A	1	0	0	0.4	10	70	1	15	-	2	-	1	5	1	1
6.7	0481	2403B	1	0	0	0.8	-	15	-	-	-	-	-	1	2	1	1
6.7	0481	2406	2	0	0	0.8	-	32	-	-	-	-	-	1	5	1	1
6.7	0481	2414	1	0	0	0.6	-	6	-	-	-	-	-	1	5	1	2
6.7	0481	2416	1	0	0	0.5	-	10	-	-	-	3	-	1	2	1	2
6.7	0481	2418	1	0	0	0.6	-	20	-	-	-	2	-	1	1	1	1
6.7	0481	2432	1	0	0	0.4	-	3	-	-	-	3	-	1	2	2	2
6.7	0481	2433	1	0	0	0.6	-	3	-	-	-	-	-	1	1	2	2
6.7	0481	2434	1	0	0	0.6	-	6	-	-	-	-	-	1	5	2	1
6.7	0481	2448	1	0	0	0.7	-	25	5	-	-	2	-	1	5	1	1
6.7	0481	2456	1	0	0	0.6	-	11	-	-	-	-	-	2	1	1	1
6.7	0481	2457	2	0	0	0.7	-	17	-	-	-	-	-	6	5	2	2
6.7	0481	2466A	1	0	0	0.7	-	3	-	-	-	-	-	1	3	1	2
6.7	0481	2466B	2	0	0	0.7	-	4	-	-	-	-	-	8	5	2	1
6.7	0481	2466C	3	0	0	0.7	-	6	-	-	-	1	-	8	3	2	2
6.7	0481	2466D	5	0	0	0.8	-	23	-	-	-	-	-	7	3	2	2
6.7	0481	2466E	1	0	0	0.5	-	9	-	-	-	-	-	1	1	2	2
6.7	0481	2466F	4	1	0	0.8	-	30	-	1	-	-	-	1	1	1	2
6.7	0481	2466G	21	2	1	1.0	-	120	-	1	1	-	-	1	1	2	2
6.7	0481	2486	6	0	0	0.9	-	42	-	-	-	-	-	1	3	2	1
6.7	0481	2704	1	0	0	0.5	-	6	-	-	-	-	-	1	5	2	1
6.7	0481	2824	1	0	0	0.6	-	21	-	-	-	2	-	2	2	1	1
6.7	0481	2882A	1	0	0	0.8	-	4	-	-	-	-	-	1	3	2	1
6.7	0481	2882B	1	0	0	0.5	-	10	-	-	-	-	-	6	5	1	2
6.7	0481	2882C	0	1	0	1.0	-	19	-	1	-	-	-	5	3	1	1
6.7	0482	2474	1	0	0	0.8	-	12	-	-	-	-	-	1	2	2	2
6.7	0482	2475	0	0	1	0.6	-	5	-	-	1	-	-	2	5	2	2
6.7	0482	2478	1	0	0	0.8	-	14	-	-	-	2	-	1	5	1	2
6.7	0482	2482	1	0	0	0.8	-	4	-	-	-	-	-	1	2	2	2
6.7	0482	2485A	0	1	0	0.6	20	25	-	16	-	1	-	1	1	1	2
6.7	0482	2485B	0	1	0	0.5	-	4	-	15	-	-	-	1	5	2	2
6.7	0482	2495A	0	1	0	0.6	-	7	-	16	-	-	-	1	5	2	2
6.7	0482	2495B	1	0	0	0.5	-	11	-	-	-	2	-	1	2	2	1
6.7	0482	2497	1	0	0	0.6	-	16	-	-	-	-	-	1	5	2	2
6.7	0482	2498	1	0	0	0.6	-	21	-	-	-	-	-	1	5	1	1
6.7	0482	2499	1	0	0	0.5	-	2	-	-	-	-	-	2	5	1	1
6.7	0482	2500	1	0	0	0.6	-	2	-	-	-	1	-	1	5	2	1
6.7	0482	2502	1	0	0	0.6	-	32	-	-	-	2	-	1	5	2	1
6.7	0482	2503	1	0	0	0.8	-	11	-	-	-	-	-	1	2	1	1
6.7	0482	2504	1	0	0	0.6	-	5	-	-	-	-	-	1	2	2	2
6.7	0482	2507	1	0	0	0.7	-	15	-	-	-	2	-	1	5	1	1
6.7	0482	2518	1	0	0	0.7	-	11	-	-	-	2	-	1	3	1	2
6.7	0482	2540	0	1	0	0.8	7	36	-	2	-	3	-	1	5	2	2
6.7	0482	2542	1	0	0	0.7	-	7	-	-	-	-	-	1	1	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0482	2582	1	0	0	0.6	-	9	-	-	-	1	-	1	5	2	2
6.7	0482	2592	1	0	0	0.7	-	15	-	-	-	-	-	1	2	2	1
6.7	0482	2605	1	1	0	0.7	24	50	-	16	-	-	-	1	5	2	2
6.7	0482	2612	1	0	0	0.7	-	12	-	-	-	-	-	2	5	2	1
6.7	0482	2613	1	0	0	0.8	-	8	-	-	-	-	-	2	1	1	2
6.7	0482	2506	1	0	0	0.6	-	4	-	-	-	2	-	1	5	2	2
6.7	0482	2508	1	0	0	0.6	-	3	-	-	-	2	-	1	2	2	2
6.7	0482	2516	1	0	0	0.6	-	2	-	-	-	-	-	1	1	2	2
6.7	0482	2517	1	0	0	0.7	-	3	-	-	-	-	-	2	5	2	2
6.7	0482	2519	1	0	0	0.6	-	4	-	-	-	-	-	1	5	2	2
6.7	0482	2520	1	0	0	0.4	-	2	-	-	-	-	-	2	5	2	2
6.7	0482	2534	1	0	0	0.6	-	5	-	-	-	2	-	1	5	2	2
6.7	0482	2534	1	0	0	0.8	-	3	-	-	-	-	-	2	1	2	2
6.7	0482	2535	1	0	0	0.6	-	2	-	-	-	-	-	2	5	2	2
6.7	0482	2538	0	1	0	0.9	16	8	-	16	-	-	-	2	5	2	2
6.7	0482	2545	0	1	0	0.7	-	17	-	2	-	-	-	7	3	2	2
6.7	0482	2588	1	0	0	0.6	-	6	-	-	-	2	-	1	2	1	1
6.7	0482	2614A	0	0	1	1.2	12	93	-	-	1	-	-	1	5	2	2
6.7	0482	2614B	1	0	0	0.6	-	23	-	-	1	-	-	2	5	1	2
6.7	0482	2615	1	0	0	0.5	-	6	-	-	-	-	-	1	1	1	2
6.7	0482	2883	1	0	0	0.7	-	30	-	-	-	2	-	1	2	1	1
6.7	0496	2329A	0	0	1	0.6	9	46	-	-	1	-	-	1	5	2	1
6.7	0496	2329B	0	1	0	0.6	18	13	-	2	-	1	-	1	2	1	1
6.7	0496	2329C	0	1	0	0.6	18	13	-	2	-	-	-	2	1	2	2
6.7	0496	2329D	1	0	0	0.5	-	16	-	-	-	-	-	1	2	2	2
6.7	0496	2329E	1	0	0	0.4	-	7	-	-	-	-	-	1	2	2	2
6.7	0496	2706A	1	0	0	0.7	-	26	-	-	2	-	-	1	2	1	2
6.7	0496	2706B	1	0	0	0.4	-	7	-	-	2	-	-	1	2	1	2
6.7	0506	2440	1	0	0	0.6	-	2	-	-	-	-	-	1	3	2	2
6.7	0506	2444	1	0	0	0.7	-	7	-	-	-	2	-	1	5	1	2
6.7	0506	2449A	0	1	0	0.6	20	9	-	3	-	1	-	2	5	1	2
6.7	0506	2449B	1	0	0	0.7	-	6	-	-	-	3	-	1	5	2	2
6.7	0506	2453	0	1	0	0.7	-	19	-	3	-	-	-	2	3	2	2
6.7	0506	2455	1	0	0	0.5	-	3	-	-	-	3	-	5	2	2	2
6.7	0506	2463	1	0	0	0.6	-	11	-	-	-	2	-	1	3	1	2
6.7	0506	2465	1	0	0	0.9	-	16	-	-	-	-	-	1	5	2	2
6.7	0506	2473	0	0	1	0.8	12	11	-	-	-	-	-	1	3	2	1
6.7	0506	2909	1	0	0	0.8	-	2	-	-	-	3	-	1	3	2	2
6.7	0512	2437	1	0	0	0.8	-	32	-	-	-	2	-	2	5	2	1
6.7	0518	2609	0	1	0	0.6	14	8	-	3	-	2	-	1	5	1	2
6.7	0518	2619	1	0	0	0.6	-	26	-	-	-	2	-	1	2	1	1
6.7	0518	2620	1	0	0	0.6	-	22	-	-	-	2	-	1	2	2	2
6.7	0518	2904	2	3	0	0.5	22	145	-	2	-	-	1	6	5	1	2
6.7	0518	2904A	0	1	0	0.7	16	17	-	3	-	2	-	1	5	2	2
6.7	0518	2904B	0	1	0	0.8	14	5	-	16	-	-	-	1	5	1	2
6.7	0518	2904C	0	1	0	0.4	18	6	-	2	-	2	-	6	1	1	2
6.7	0518	2904D	0	0	1	0.6	-	9	-	-	-	2	-	1	2	1	1
6.7	0518	2904E	1	0	0	0.6	-	9	-	-	-	-	-	6	3	2	2
6.7	0518	2904F	0	0	2	0.5	10	25	-	-	9	-	-	2	2	2	1
6.7	0518	2904G	2	0	0	0.6	-	17	-	-	-	2	-	2	5	2	2
6.7	0518	2904H	0	0	1	0.7	-	3	-	-	-	-	-	2	5	2	2
6.7	0518	2904I	2	0	0	0.6	-	8	-	-	-	2	-	1	1	1	2
6.7	0518	2904J	8	0	0	0.6	-	17	-	-	-	-	-	6	5	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0518	2094	15	0	0	0.6	-	88	1	-	-	2	-	1	5	1	2
6.7	0523	2447	1	1	0	0.7	-	6	4	-	-	1	-	2	5	2	2
6.7	0528	2750	1	0	0	0.7	-	22	-	-	-	2	-	1	2	1	1
6.7	0528	2756	1	0	0	0.5	-	10	-	-	-	3	-	1	2	1	2
6.7	0523	2768	1	0	0	0.7	-	11	-	-	-	3	-	2	5	2	2
6.7	0523	3041	1	0	0	0.7	-	13	-	-	3	-	-	5	3	2	1
6.7	0523	3042	1	0	0	0.9	-	47	-	-	-	2	-	1	2	1	1
6.7	0523	3043	1	0	0	0.6	-	15	-	-	-	3	-	1	2	1	1
6.7	0523	3084	1	0	0	0.7	-	9	-	-	-	2	-	1	5	2	2
6.7	0523	3084	1	0	0	0.7	-	6	-	-	-	-	-	1	5	2	2
6.7	0523	3085A	8	0	0	0.6	-	16	-	-	-	2	-	2	5	2	1
6.7	0523	3085B	1	0	0	0.7	-	16	-	-	-	2	-	1	5	1	1
6.7	0523	3085C	1	0	0	0.5	-	8	-	-	-	2	-	1	2	2	2
6.7	0523	3085D	1	0	0	0.5	-	4	-	-	-	-	-	2	1	2	2
6.7	0528	2636A	0	1	0	0.5	-	15	-	16	-	2	-	1	5	2	2
6.7	0528	2636B	1	0	0	0.9	-	9	-	-	-	2	-	1	5	2	2
6.7	0528	2644	1	0	0	0.6	-	17	-	-	-	2	-	1	3	2	2
6.7	0528	2746A	0	1	0	0.6	-	15	-	15	-	-	-	1	5	1	2
6.7	0528	2746B	0	1	0	0.6	-	8	-	-	-	-	-	1	5	2	2
6.7	0528	2755A	1	0	0	0.6	-	22	-	-	-	2	-	1	2	1	1
6.7	0528	2755B	1	0	0	0.6	-	4	-	-	-	-	-	2	3	2	2
6.7	0528	2763	1	0	0	1.0	-	31	-	-	-	2	-	1	5	2	1
6.7	0528	2782	0	1	0	0.6	-	6	-	1	-	-	-	2	2	2	2
6.7	0528	2788	1	0	0	0.8	-	5	-	-	-	2	-	2	2	2	2
6.7	0530	2492	1	0	0	0.7	-	32	-	-	-	2	-	6	2	1	2
6.7	0530	2496A	1	0	0	0.5	-	6	-	-	-	-	-	2	5	1	2
6.7	0530	2496B	0	1	0	0.6	-	5	-	15	-	-	-	1	2	2	2
6.7	0530	2505	0	0	1	0.7	6	7	7	-	9	1	-	2	1	2	2
6.7	0530	2509	1	0	0	0.5	-	8	-	-	-	1	-	2	2	2	2
6.7	0530	2512	1	0	0	0.3	-	4	-	-	-	2	-	1	1	2	2
6.7	0530	2526	3	0	0	0.6	-	18	-	-	-	1	-	2	5	2	2
6.7	0530	2528	1	0	0	0.8	-	6	-	-	-	-	-	1	5	2	2
6.7	0530	2533	1	0	0	-	-	2	-	-	-	-	-	1	5	2	2
6.7	0530	2536	0	1	0	0.5	20	9	-	3	-	1	-	2	5	2	2
6.7	0530	2539	2	0	0	0.5	-	23	-	-	-	-	-	6	5	2	2
6.7	0530	2622	0	0	1	1.0	-	21	-	-	1	-	-	6	5	2	2
6.7	0530	2623	1	0	0	0.9	-	22	-	-	-	2	-	2	2	1	2
6.7	0530	2626	1	0	0	0.7	-	12	-	-	-	-	-	6	5	2	2
6.7	0530	2627	1	0	0	0.6	-	18	-	-	-	-	-	6	5	1	2
6.7	0530	2628	1	0	0	0.9	-	6	-	-	-	2	-	1	3	2	2
6.7	0530	2632	1	0	0	0.4	-	2	-	-	-	1	-	2	5	2	1
6.7	0530	2633	1	0	0	0.6	-	4	-	-	-	-	-	6	5	1	2
6.7	0530	2634	1	0	0	0.6	-	7	-	-	-	-	-	1	5	1	1
6.7	0530	2635	1	0	0	-	-	9	-	-	-	-	-	6	5	2	2
6.7	0530	2637	1	0	0	0.4	-	3	-	-	-	-	-	1	3	1	2
6.7	0530	2638	1	0	0	0.8	-	11	-	-	-	2	-	1	2	1	1
6.7	0530	2639	1	0	0	0.7	-	8	-	-	-	-	-	2	5	2	2
6.7	0530	2640	1	0	0	0.6	-	10	-	-	-	2	-	2	5	2	2
6.7	0530	2641A	1	0	0	0.7	-	11	-	-	-	-	-	1	2	2	2
6.7	0530	2641B	1	0	0	0.7	-	29	-	-	-	-	-	1	2	1	2
6.7	0530	2642	1	0	0	1.3	-	18	-	-	-	-	-	5	5	2	2
6.7	0530	2646	1	0	0	0.7	-	5	-	-	-	-	-	2	5	2	2
6.7	0530	2647	1	0	0	0.9	-	8	-	-	-	1	-	1	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0530	2653	1	0	0	0.9	-	10	-	-	-	-	-	2	5	2	2
6.7	0530	2656	1	0	0	0.8	-	10	-	-	-	2	-	1	3	2	2
6.7	0530	2663	1	0	0	0.7	-	10	-	-	-	3	-	1	3	2	1
6.7	0530	2664	1	0	0	0.6	-	3	-	-	-	-	-	1	1	2	2
6.7	0530	2665	0	1	0	0.7	-	6	-	1	-	3	-	1	3	2	2
6.7	0530	2666	1	0	0	0.7	-	37	-	-	-	1	-	1	2	2	2
6.7	0530	2667	1	0	0	0.6	-	9	-	-	-	2	-	1	2	2	1
6.7	0530	2668	0	0	1	-	-	7	-	-	-	1	-	1	2	2	2
6.7	0530	2669	1	0	0	0.4	-	1	-	-	-	2	-	1	2	2	2
6.7	0530	2670	1	0	0	0.7	-	6	-	-	-	2	-	1	5	2	2
6.7	0530	2898A	0	0	1	0.7	-	6	-	-	9	-	-	1	1	2	2
6.7	0530	2898B	1	0	0	0.8	-	5	-	-	-	-	-	2	5	2	2
6.7	0530	2898C	1	0	0	0.6	-	3	-	-	-	-	-	2	2	1	2
6.7	0535	2522A	6	2	1	0.6	-	30	-	3	1	2	-	2	5	1	2
6.7	0535	2522B	1	0	0	0.6	-	11	-	-	-	2	-	1	2	2	2
6.7	0535	2932A	0	1	0	0.7	18	14	-	15	-	2	-	5	5	1	2
6.7	0535	2932B	1	1	0	0.6	20	13	-	2	-	3	-	2	5	2	2
6.7	0535	2932C	3	0	0	0.7	-	20	-	-	-	1	-	1	3	2	1
6.7	0535	2932D	2	0	0	0.5	-	7	-	-	-	3	-	5	2	2	2
6.7	0535	2732E	1	0	0	0.6	-	8	-	-	-	3	-	1	3	2	2
6.7	0532	2932F	1	0	0	0.8	-	11	-	-	-	-	-	1	5	2	2
6.7	0532	2932G	1	0	0	0.8	-	11	-	-	-	3	-	1	3	1	2
6.7	0558	2624	1	0	0	0.5	-	15	-	-	-	2	-	2	1	2	2
6.7	0558	2625	0	0	1	0.7	-	43	-	-	1	-	-	2	2	1	1
6.7	0558	2629	1	0	0	0.7	-	14	-	-	-	2	-	1	5	2	2
6.7	0558	2648	1	0	0	0.7	-	6	-	-	-	-	-	2	5	2	2
6.7	0558	2655	1	0	0	0.6	-	9	-	-	-	-	-	1	5	2	2
6.7	0558	2657	1	0	0	0.3	-	33	-	-	-	3	-	1	2	2	2
6.7	0558	2660	0	1	0	0.7	-	29	8	1	-	-	-	6	5	1	2
6.7	0558	2662	1	0	0	0.6	-	5	-	-	-	2	-	5	3	1	2
6.7	0558	2942	2	0	0	0.7	-	34	-	-	-	2	-	1	5	2	1
6.7	0558	2942A	1	0	0	0.6	-	41	1	-	-	3	-	1	2	2	2
6.7	0558	2942B	1	0	0	0.6	-	6	-	-	-	-	-	2	5	2	2
6.7	0558	2942C	1	0	0	0.5	-	4	-	-	-	-	-	1	2	2	2
6.7	0558	2948	3	0	0	0.6	-	25	-	-	-	2	-	1	5	2	2
6.7	0558	2948A	0	1	0	0.7	-	5	-	15	-	2	-	1	2	1	2
6.7	0558	2948B	1	0	0	0.5	-	9	-	-	-	1	-	1	5	2	1
6.7	0558	2948C	1	0	0	0.7	-	2	-	-	-	2	-	1	5	2	2
6.7	0558	2948D	1	0	0	0.7	-	2	-	-	-	-	-	1	1	2	2
6.7	0563	2767	1	0	0	0.7	-	19	-	-	-	3	-	2	5	1	2
6.7	0563	2997	1	0	0	0.5	-	5	-	-	-	3	-	6	3	2	2
6.7	0589	2856	1	0	0	0.9	-	13	-	-	-	-	-	1	5	2	2
6.7	0589	2857	0	0	1	1.0	-	10	-	-	9	-	-	2	5	2	2
6.7	0589	2859	1	0	0	0.7	-	3	-	-	-	2	-	1	5	1	2
6.7	0589	2860	1	0	0	0.4	-	6	-	-	-	2	-	1	5	1	2
6.7	0589	2933	1	1	0	0.9	-	4	-	15	-	-	-	2	3	2	2
6.7	0607	3002	1	0	0	0.6	-	1	-	-	-	-	-	1	5	2	2
6.7	0607	3004	1	0	0	0.3	-	3	-	-	-	3	-	1	5	2	2
6.7	0618	2835A	1	0	0	0.7	-	8	-	-	-	-	-	6	5	2	2
6.7	0618	2835B	1	0	0	0.6	-	8	-	-	-	-	-	1	3	2	2
6.7	0618	2837	1	0	0	0.9	-	30	-	-	-	1	-	2	5	2	1
6.7	0618	2914A	1	0	0	0.5	-	2	-	-	-	-	-	2	1	2	2
6.7	0618	2914B	1	0	0	0.6	-	3	-	-	-	2	-	1	2	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
6.7	0618	2958	1	0	0	0.6	-	10	-	-	-	2	-	2	5	1	2
6.7	1033	3797	1	0	0	0.7	-	2	-	-	-	-	-	2	3	2	2
6.7	1080	3798	1	0	0	0.7	-	14	-	-	-	-	-	2	1	2	2
6.7	1080	3799	1	0	0	0.5	-	4	-	-	-	-	5	2	5	2	2
6.7	1080	3851	1	0	0	0.6	-	6	-	-	-	-	-	2	5	2	2
6.7	1080	3853	1	0	0	0.8	-	7	-	-	-	-	-	1	3	1	2
6.7	1080	3857	1	0	0	0.6	-	10	-	-	-	-	-	1	1	1	2
6.7	1080	3858A	1	0	0	0.6	-	5	-	-	-	-	-	2	5	2	2
6.7	1080	3858B	0	0	2	-	-	12	-	-	9	-	-	3	1	2	2
6.7	1080	3860	1	0	0	0.6	-	12	-	-	-	-	-	3	1	2	2
6.7	1080	3862	1	0	0	0.6	-	11	-	-	-	-	-	1	3	1	2
6.7	1080	3872	1	0	0	0.6	-	9	-	-	-	-	-	2	3	2	2
6.7	1080	3872	1	0	0	0.6	-	5	-	-	-	-	-	1	5	2	2
6.7	1080	3876	1	0	0	0.7	-	15	-	-	-	-	-	1	1	2	1
6.7	1080	3877	1	0	0	-	-	14	-	-	-	2	-	2	5	2	2
6.7	1080	3878	1	0	0	0.7	-	4	-	-	-	-	-	1	3	1	2
6.7	1080	3887	3	0	0	0.7	-	31	-	-	-	-	-	1	3	1	2
6.7	2384	5520	0	0	1	0.6	8	9	-	-	1	-	-	1	5	2	2
6.7	2384	5525	0	1	0	0.5	15	56	-	1	-	-	-	2	5	2	2
6.7	2384	5555A	3	0	0	0.6	-	25	-	-	-	-	-	2	3	2	1
6.7	2384	5555B	0	0	2	0.8	-	36	-	-	1	-	-	1	5	2	2
6.7	2384	5555C	1	0	0	0.8	-	18	-	-	-	-	-	1	5	2	2
6.7	2384	5555D	1	0	0	0.7	-	15	-	-	-	-	-	1	1	2	2
6.7	2385	5485	1	0	0	-	8	33	8	-	-	3	-	1	2	1	2
6.7	2385	5494	0	1	0	0.8	-	21	1	3	-	-	-	2	5	2	2
6.7	2385	5521	1	0	0	0.5	-	14	-	-	-	2	-	1	5	2	2
6.7	2385	5529	1	0	0	1.0	-	16	-	-	-	-	-	2	3	2	1
6.7	2385	5544	1	0	0	0.8	-	35	-	-	-	1	-	1	5	2	2
6.7	2399	5517	0	1	0	0.6	12	34	-	3	-	-	-	2	5	1	1
6.7	2399	5518	1	0	0	0.7	-	60	-	-	-	2	-	1	1	1	2
6.7	2399	5519	1	0	0	0.6	-	11	-	-	2	-	-	2	5	2	1
6.7	2399	5528	1	0	0	0.8	-	72	-	-	-	2	-	2	5	1	2
6.7	2399	5531	1	0	0	1.0	-	21	-	-	-	-	-	2	5	2	1
6.7	2399	5533A	0	1	0	0.5	-	6	1	3	-	-	-	1	5	2	2
6.7	2399	5533B	1	0	0	0.5	-	16	-	-	-	-	-	2	5	2	2
6.7	2399	5539	1	0	0	0.9	-	16	-	-	-	-	-	2	3	2	1
6.7	2399	5540	1	0	0	0.5	-	16	-	-	-	2	-	2	2	1	1
6.7	2399	5628	0	0	1	1.0	-	21	-	-	1	2	-	2	5	2	2
6.7	2399	5677	1	0	0	0.6	-	3	-	-	-	3	-	5	2	2	2

PHASE 7

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	0044	0487	1	0	0	0.6	-	2	-	-	-	-	-	1	1	2	2
7.1	0044	0664	1	0	0	0.7	-	8	-	-	-	-	-	1	5	2	2
7.1	0044	0836	1	0	0	0.8	-	4	-	-	-	-	-	1	5	2	2
7.1	0044	0837	1	0	0	0.8	-	4	-	-	-	-	-	1	1	2	2
7.1	0044	0838	1	0	0	0.8	-	4	-	-	-	-	-	1	5	2	2
7.1	0044	0839	1	0	0	0.7	-	16	-	-	-	-	-	3	1	2	2
7.1	0044	0840	1	0	0	0.7	-	10	-	-	-	-	-	1	5	2	2
7.1	0044	0841	1	0	0	0.9	-	9	-	-	-	-	-	1	1	2	2
7.1	0044	0843A	1	0	0	0.8	-	-	-	-	-	-	-	1	3	2	2
7.1	0044	0843B	1	0	0	0.8	-	22	-	-	-	-	-	1	5	2	2
7.1	0044	0845	1	0	0	0.7	-	11	-	-	-	-	-	1	3	2	2
7.1	0044	0846	1	0	0	0.7	-	8	-	-	-	-	-	1	5	2	2
7.1	0044	0896	0	0	1	1.2	10	14	2	-	3	-	-	3	3	2	2
7.1	0044	0897	1	0	0	1.3	-	5	-	-	-	-	-	7	5	2	2
7.1	0044	0923	1	0	0	1.2	-	13	-	-	-	-	-	7	5	2	2
7.1	0044	1006A	0	1	0	0.5	14	8	-	3	-	-	-	6	5	2	2
7.1	0044	1006B	0	1	0	0.5	-	2	-	1	-	-	-	1	1	2	2
7.1	0044	1006C	0	1	0	0.5	-	2	-	1	-	-	-	1	1	2	2
7.1	0044	1006D	4	0	0	0.8	-	25	-	-	-	-	-	1	1	2	2
7.1	0044	1006E	0	0	1	0.8	-	3	-	-	-	-	-	7	1	2	2
7.1	0096	0394	0	1	0	0.8	12	19	-	2	-	-	-	2	5	2	2
7.1	0300	1174	1	0	0	0.7	-	4	-	-	-	-	-	1	3	2	2
7.1	0300	1185	1	0	0	0.6	-	4	-	-	-	-	-	1	3	1	2
7.1	0300	1361B	0	1	0	0.5	-	7	-	4	-	-	-	1	2	1	2
7.1	0300	1361C	1	0	0	0.5	-	3	-	-	-	-	-	1	2	1	2
7.1	0300	1361D	1	0	0	0.5	-	4	-	-	-	-	-	1	2	1	2
7.1	0300	1362	1	0	0	0.5	-	5	-	-	-	-	-	1	3	2	1
7.1	0300	1364	1	0	0	0.7	-	4	-	-	-	-	-	1	2	1	2
7.1	0300	1368	1	0	0	0.6	-	4	-	-	-	-	-	1	2	1	1
7.1	0300	1644A	1	0	0	0.5	-	10	-	-	-	-	-	1	1	1	1
7.1	0300	1644D	0	1	0	0.4	-	7	-	4	-	-	-	1	1	2	2
7.1	0302	1183	1	0	0	0.7	-	9	-	-	-	-	-	1	3	1	2
7.1	0302	1184A	1	0	0	0.7	-	18	-	-	-	2	-	2	2	2	2
7.1	0302	1184B	1	0	0	0.7	-	2	-	-	-	-	-	6	5	2	2
7.1	0302	1190	1	0	0	1.1	-	7	-	-	-	-	-	1	5	1	2
7.1	0302	1193	1	0	0	0.6	-	2	-	-	-	2	-	1	2	2	2
7.1	0302	1194	1	0	0	0.8	-	20	-	-	-	2	-	1	1	2	2
7.1	0302	1512	1	0	0	0.8	-	15	-	-	-	3	-	1	1	2	2
7.1	0302	1513	1	0	0	1.0	-	19	-	-	-	-	-	3	5	1	2
7.1	0302	1516A	1	0	0	0.9	-	12	-	-	-	-	-	1	5	1	2
7.1	0302	1516B	1	0	0	0.8	-	12	-	-	-	-	-	1	5	2	2
7.1	0302	1517	1	0	0	0.5	-	7	-	-	-	2	-	2	5	1	2
7.1	0302	1619	0	1	0	0.7	14	16	-	3	-	3	-	1	5	2	2
7.1	0302	1620	1	0	0	0.8	-	5	-	-	-	2	-	1	5	2	2
7.1	0302	1623	1	0	0	0.7	-	7	-	-	-	3	-	1	5	2	2
7.1	0302	1628	0	1	0	0.7	12	11	-	15	-	2	-	1	5	2	2
7.1	0302	1630	1	0	0	0.7	-	5	-	-	-	-	-	1	3	2	2
7.1	0302	1632A	1	0	0	0.7	-	7	-	-	-	3	-	1	5	2	2
7.1	0302	1632B	1	0	0	0.5	-	13	-	-	-	-	-	1	1	1	2
7.1	0302	1635	0	0	1	0.6	14	22	-	-	9	-	-	1	3	2	2
7.1	0302	1667	0	0	1	0.6	18	33	-	-	10	-	-	2	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	0302	1803	1	0	0	0.8	-	24	-	-	-	-	-	1	2	1	2
7.1	0302	1817	1	0	0	0.9	-	11	-	-	-	-	-	3	3	1	2
7.1	0302	1834A	1	0	0	0.5	-	7	-	-	-	3	-	1	5	1	2
7.1	0302	1834B	1	0	0	0.7	-	6	-	-	-	2	-	3	2	1	1
7.1	0302	1902	1	0	0	0.9	-	11	-	-	-	-	-	1	3	1	2
7.1	0302	1904	1	0	0	0.6	-	16	-	-	-	-	1	1	5	1	1
7.1	0302	1910	1	0	0	0.5	-	6	-	-	-	-	-	1	3	2	2
7.1	0302	1932	1	0	0	0.8	-	74	1	-	-	2	-	1	2	1	2
7.1	0302	1945	1	0	0	0.9	-	44	-	-	-	1	-	1	3	1	2
7.1	0302	1958	1	0	0	0.2	-	2	-	-	-	2	-	1	5	2	1
7.1	0302	2200A	1	0	0	0.6	-	11	-	-	-	1	-	1	1	2	2
7.1	0302	2200B	1	0	0	0.8	-	14	-	3	-	3	-	1	1	1	2
7.1	0302	2200C	1	0	0	0.6	-	12	-	-	-	1	-	1	1	2	2
7.1	0302	2200D	1	0	0	0.4	-	6	-	-	-	-	-	5	5	2	2
7.1	0302	2200E	1	0	0	0.6	-	10	-	-	-	2	-	1	5	1	1
7.1	0302	2200F	1	0	0	0.8	-	17	-	-	-	3	-	1	1	2	2
7.1	0302	2200H	1	0	0	0.9	-	31	-	-	-	1	-	1	3	2	2
7.1	0302	2200I	1	0	0	0.5	-	5	-	-	-	3	-	1	2	1	2
7.1	0302	2200J	0	0	1	0.9	-	21	-	-	-	-	-	1	5	1	2
7.1	0302	2200L	1	0	0	0.5	-	3	-	-	-	1	-	1	5	1	1
7.1	0302	2200M	1	0	0	0.9	-	5	-	-	-	1	-	1	3	2	2
7.1	0302	2200N	1	0	0	1.0	-	7	-	-	-	-	-	1	1	2	2
7.1	0302	2200P	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.1	0302	2200R	1	0	0	0.7	-	3	-	-	-	2	-	1	5	2	2
7.1	0302	2375A	2	1	0	0.7	-	17	-	3	-	3	-	1	1	2	2
7.1	0302	2375E	0	0	1	0.6	-	6	-	-	1	-	-	1	1	2	2
7.1	0302	2375F	1	0	0	1.1	-	4	-	-	-	-	-	3	5	2	2
7.1	0302	2693	1	0	0	0.6	-	2	-	-	-	-	-	6	5	2	2
7.1	0313	1260	1	0	0	0.8	-	4	-	-	-	-	-	1	5	2	2
7.1	0313	1511	1	0	0	0.8	-	15	-	-	-	1	-	1	1	2	2
7.1	0313	1694	0	1	0	0.6	14	6	-	16	-	2	-	1	2	1	2
7.1	0313	1772	1	0	0	0.3	-	5	-	-	-	-	-	2	5	2	2
7.1	0313	1777	1	0	0	0.7	-	29	-	-	-	-	-	2	5	2	2
7.1	0313	1781	1	0	0	0.3	-	3	-	-	-	-	-	2	5	2	2
7.1	0350	1449	1	0	0	0.7	-	35	-	-	-	-	-	1	5	1	2
7.1	0350	1470	0	0	1	0.8	18	32	-	-	1	-	-	1	3	2	1
7.1	0380	1604	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.1	0380	1607	1	0	0	1.0	-	8	-	-	-	-	-	1	5	2	2
7.1	0380	1609	2	0	0	0.8	-	15	-	-	-	-	-	1	1	1	2
7.1	0380	1614	1	0	0	0.8	-	8	-	-	-	-	-	1	5	2	2
7.1	0380	1618A	0	1	0	0.8	22	91	-	1	-	2	-	1	1	1	1
7.1	0380	1618B	1	0	0	0.8	-	56	-	-	-	-	-	1	5	1	1
7.1	0380	1618C	3	0	0	0.8	-	30	-	-	-	-	-	1	1	2	2
7.1	0391	1971	1	0	0	0.5	-	43	-	-	-	2	-	2	5	2	2
7.1	0398	2163	1	0	0	0.7	-	12	-	-	-	-	-	1	2	2	2
7.1	0413	1987	0	0	1	1.0	12	25	-	-	5	-	-	1	1	1	1
7.1	0413	1995	1	0	0	0.5	-	5	-	-	-	-	-	1	2	1	1
7.1	0413	2040	1	0	0	0.7	-	10	-	-	-	1	-	6	5	1	2
7.1	0413	2048	0	0	1	0.6	22	23	-	-	10	-	-	1	2	2	2
7.1	0413	2056	1	0	0	0.5	-	4	-	-	-	-	-	2	5	2	2
7.1	0413	2057	1	0	0	0.7	-	13	-	-	-	-	-	6	5	1	1
7.1	0413	2063	1	0	1	0.6	-	6	-	-	9	-	-	5	5	2	2
7.1	0413	2064	1	0	0	0.5	-	5	-	-	-	-	-	1	5	1	1
7.1	0413	2069	1	0	0	0.4	-	12	-	-	-	-	-	1	2	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	0413	2119	0	1	0	0.5	26	128	-	16	-	-	-	6	5	2	2
7.1	0413	2127	1	0	0	0.5	-	6	-	-	-	-	-	2	1	1	1
7.1	0413	2136	1	1	0	0.5	30	81	-	15	-	1	-	2	5	2	2
7.1	0413	2139A	1	0	0	0.5	-	6	-	-	-	-	-	2	5	2	2
7.1	0413	2139B	1	0	0	0.3	-	3	-	-	-	-	-	2	5	2	2
7.1	0413	2146	0	1	0	0.5	14	12	-	16	-	-	-	2	5	1	1
7.1	0413	2166	1	1	0	0.3	8	8	-	3	-	-	-	1	5	2	2
7.1	0413	2177	0	0	1	0.6	17	155	2	-	3	2	-	2	3	1	2
7.1	0413	2177A	1	0	0	0.6	-	18	-	-	-	2	-	2	5	2	2
7.1	0413	2177B	1	0	0	0.6	-	10	-	-	-	-	-	2	5	2	2
7.1	0413	2693	0	1	0	0.5	-	5	8	1	-	-	-	1	2	1	1
7.1	0416	1942	0	1	0	0.6	-	3	-	15	-	-	-	6	5	2	2
7.1	0416	2042	1	0	0	0.8	-	5	-	-	-	-	-	2	5	2	2
7.1	0416	2046	0	1	0	0.5	-	2	-	3	-	2	-	2	5	2	2
7.1	0416	2053	1	0	0	0.6	-	60	-	-	-	3	-	1	5	1	1
7.1	0416	2055	0	1	0	0.7	20	6	-	1	-	-	-	1	5	2	2
7.1	0416	2125	1	0	0	0.6	-	3	-	-	-	-	-	3	2	1	1
7.1	0416	2130	1	0	0	0.6	-	15	-	-	-	2	-	2	5	2	2
7.1	0416	2132	1	0	0	0.5	-	3	-	-	-	-	-	1	5	1	1
7.1	0416	2379	1	0	0	0.8	-	4	-	-	-	-	-	1	2	2	2
7.1	0417	1994	0	1	0	0.5	20	9	-	2	-	2	-	1	1	1	1
7.1	0417	2170	1	0	0	0.7	-	5	-	-	-	-	-	1	3	1	2
7.1	0421	2172	0	1	0	0.8	-	10	-	2	-	-	-	1	1	1	1
7.1	0430	1981	1	0	0	0.7	-	18	-	-	-	-	-	6	3	2	2
7.1	0430	1986	1	0	0	0.7	-	24	-	-	-	2	-	1	5	2	2
7.1	0437	2260	0	0	1	1.0	-	21	-	-	1	-	-	1	3	1	2
7.1	0437	2275	1	0	0	0.7	-	6	-	-	-	-	-	1	5	2	2
7.1	0437	2276	1	0	0	0.5	-	4	-	-	-	-	-	1	1	1	2
7.1	0437	2573	1	0	0	0.6	-	15	-	-	-	-	1	1	2	2	2
7.1	0444	2115	0	1	0	0.5	-	6	-	3	-	2	-	2	5	1	2
7.1	0444	2121	0	1	0	0.7	12	11	-	3	-	1	-	6	5	1	2
7.1	0444	2203	1	0	0	0.6	-	12	-	-	-	-	-	6	5	1	2
7.1	0444	2242A	1	1	0	0.3	-	5	-	15	-	-	-	2	5	2	2
7.1	0444	2246	1	0	0	0.4	-	3	-	-	-	2	-	2	5	2	2
7.1	0444	2352	1	0	0	0.4	-	3	-	-	-	2	-	1	2	1	2
7.1	0444	2354	2	0	1	0.6	-	12	-	-	3	-	-	5	2	1	2
7.1	0444	2355	1	0	0	0.4	-	6	-	-	-	-	-	1	5	1	2
7.1	0444	2415	0	1	0	0.6	10	12	-	1	-	2	1	2	5	2	2
7.1	0444	2431	1	0	0	0.6	-	11	-	-	-	-	-	2	5	2	2
7.1	0444	2435	1	0	0	0.4	-	6	-	-	-	2	-	1	2	1	2
7.1	0444	2439	1	0	0	0.6	-	4	-	-	-	3	-	2	5	2	2
7.1	0444	2441	1	0	0	0.7	-	6	-	-	-	-	-	1	3	1	1
7.1	0444	2546	1	0	0	0.6	-	6	-	-	-	2	-	2	5	2	1
7.1	0444	2547	1	0	0	0.6	-	9	-	-	-	1	-	2	5	2	1
7.1	0444	2549A	1	0	0	0.7	-	8	-	-	-	2	-	2	1	2	2
7.1	0444	2549B	1	0	0	0.7	-	15	-	-	-	2	-	2	5	2	2
7.1	0444	2549C	1	0	0	0.8	-	7	-	-	-	1	-	2	3	2	2
7.1	0444	2549D	1	0	0	0.5	-	5	-	-	-	2	-	1	5	2	2
7.1	0444	2549E	1	0	0	0.5	-	3	-	-	-	-	-	2	5	2	2
7.1	0444	2549F	1	0	0	0.6	-	9	-	-	-	1	-	2	5	2	1
7.1	0444	2549J	1	0	0	0.3	-	4	-	-	-	1	-	6	3	2	2
7.1	0444	2549H	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
7.1	0444	2549I	1	0	0	0.6	-	2	-	-	-	2	-	2	5	2	2
7.1	0444	2549K	1	0	0	0.8	-	3	-	-	-	-	-	6	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	0444	2549L	1	0	0	0.3	-	3	-	-	-	2	-	5	2	2	2
7.1	0444	2549M	1	0	0	0.4	-	3	-	-	-	2	-	1	2	2	2
7.1	0444	2574	1	0	0	0.8	-	6	-	-	-	-	-	2	2	2	2
7.1	0444	2820	1	0	0	1.0	-	9	-	-	-	-	-	2	1	2	2
7.1	0444	2870A	1	0	0	0.5	-	6	-	-	-	2	-	5	5	2	2
7.1	0444	2870B	0	1	0	0.4	-	9	1	3	-	-	-	1	3	2	2
7.1	0444	2870C	1	0	0	0.5	-	6	-	-	-	-	-	5	5	2	2
7.1	0444	2870D	1	0	0	0.4	-	2	-	-	-	-	-	5	5	2	2
7.1	0444	2870E	1	0	0	0.8	-	5	-	-	-	-	-	5	5	1	2
7.1	0444	2870F	7	0	0	0.5	-	14	-	-	-	-	-	5	3	1	2
7.1	0444	2870G	0	1	0	0.3	-	1	-	1	-	-	-	1	5	2	2
7.1	0444	2870H	0	1	0	0.5	-	2	-	-	-	-	-	1	5	2	2
7.1	0444	2870L	0	0	1	0.6	8	5	-	-	-	-	-	5	5	2	2
7.1	0444	2872	1	0	0	0.6	-	5	-	-	-	2	-	2	2	1	1
7.1	0460	2179	1	0	0	0.7	-	16	-	-	-	-	-	1	1	2	2
7.1	0460	2183	0	1	0	0.6	-	6	-	1	-	-	-	1	5	2	2
7.1	0460	2185	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
7.1	0467	2249A	1	0	0	0.6	-	13	-	-	-	2	-	2	5	2	1
7.1	0467	2249B	1	0	0	0.7	-	12	-	-	-	-	-	1	5	1	2
7.1	0477	2419	7	2	1	0.5	12	34	8	1	-	-	-	2	5	2	2
7.1	0477	2422	5	1	0	0.5	12	21	-	1	-	-	-	2	5	2	2
7.1	0477	2426	1	0	0	0.7	-	6	-	-	-	-	-	1	3	2	2
7.1	0477	2523	0	1	0	0.5	-	17	-	4	-	1	-	2	5	1	1
7.1	0477	2531	1	0	0	0.7	-	15	-	-	-	2	-	1	3	2	2
7.1	0477	2532	1	0	0	0.7	-	6	-	-	-	-	-	1	2	2	2
7.1	0477	2876A	1	0	0	0.7	-	3	-	-	-	-	-	1	3	2	2
7.1	0477	2876B	0	0	1	0.5	-	10	2	-	3	-	-	1	5	1	1
7.1	0477	2878	1	0	0	0.5	-	14	-	-	-	3	-	1	5	1	1
7.1	0477	2879	1	0	0	0.6	-	8	-	-	-	-	-	2	3	2	2
7.1	0517	2595	1	0	0	0.6	-	4	-	-	-	1	-	1	1	1	2
7.1	0517	2596	1	0	0	0.6	-	14	-	-	-	-	-	6	5	1	1
7.1	0517	2604	1	0	0	0.6	-	7	-	-	-	-	-	2	1	1	2
7.1	0517	2890	1	0	0	0.5	-	8	-	-	-	-	-	1	5	1	1
7.1	0526	2543	3	0	0	0.5	-	14	-	-	-	2	-	1	3	2	2
7.1	0526	2544	1	0	0	0.5	-	13	-	-	-	2	-	1	3	2	2
7.1	0526	2806	1	0	0	0.5	-	3	-	-	-	2	-	2	5	2	2
7.1	0526	2807	1	0	0	0.7	-	5	-	-	-	1	-	2	5	2	2
7.1	0526	2910A	1	0	0	0.5	-	8	-	-	-	2	-	2	3	1	2
7.1	0526	2910B	1	0	0	0.5	-	5	-	-	-	-	-	1	5	1	2
7.1	0551	2717	1	0	0	0.5	-	7	-	-	-	-	-	1	2	1	1
7.1	0551	2720	0	1	0	0.6	20	15	-	5	-	-	-	6	5	1	2
7.1	0551	2726A	2	3	0	0.4	10	24	-	2	-	-	-	2	3	2	2
7.1	0551	2726B	0	0	1	0.5	-	6	-	-	-	-	-	1	5	2	2
7.1	0551	2726C	0	1	0	0.5	-	3	-	1	-	-	-	2	1	2	2
7.1	0551	2726D	1	0	0	0.5	-	13	-	-	-	-	-	2	5	2	2
7.1	0551	2947	1	0	0	0.5	-	4	-	-	-	-	-	1	1	1	1
7.1	0573	2738	1	0	0	0.5	-	4	-	-	-	-	-	2	1	2	2
7.1	0573	2785	1	0	0	0.6	-	16	-	-	-	-	-	6	5	2	2
7.1	0573	2790	0	0	1	0.3	-	2	-	-	-	-	-	2	5	2	2
7.1	0573	2791	1	0	0	0.7	-	16	-	-	-	2	-	1	3	2	2
7.1	0573	2792	0	1	0	0.4	14	1	-	1	-	-	-	2	2	1	2
7.1	0573	2793	1	0	0	0.6	-	5	-	-	-	-	-	6	5	1	2
7.1	0573	2795	1	0	0	0.6	-	9	-	-	1	-	-	2	5	1	1
7.1	0573	2796	1	0	0	0.6	-	8	-	-	-	-	-	6	5	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	0573	2800	0	1	0	0.5	18	13	1	5	-	-	-	6	5	1	1
7.1	0573	2894	1	0	0	0.9	-	12	-	-	-	1	-	6	5	2	2
7.1	0573	2927	0	1	0	0.9	16	47	-	1	-	-	-	2	3	1	1
7.1	1043	3748	0	0	1	0.9	16	29	-	-	9	-	-	1	5	2	2
7.1	1043	3751	0	0	1	1.4	-	60	-	-	1	-	-	1	5	2	2
7.1	1043	3754	1	0	0	-	-	7	-	-	-	-	-	3	1	1	2
7.1	1043	3985	2	0	0	-	-	6	-	-	-	-	-	1	1	2	2
7.1	2082	4618	1	0	0	0.8	-	3	-	-	-	-	-	1	5	2	2
7.1	2082	2082	2	0	0	-	-	5	-	-	-	-	-	2	1	2	1
7.1	2256	5986	1	0	0	1.0	-	41	-	-	-	2	-	1	3	1	1
7.1	2270	5331	1	0	0	1.4	-	33	-	-	-	-	-	3	3	1	1
7.1	2270	5332	1	0	0	-	-	6	-	-	-	-	-	3	1	2	2
7.1	2270	5334	1	0	0	0.7	-	12	-	-	-	2	-	1	1	1	2
7.1	2270	5373	0	0	1	0.8	16	30	-	-	1	-	-	1	1	2	1
7.1	2272	5322	1	0	0	0.6	-	2	-	-	-	2	-	2	1	1	2
7.1	2272	5266	1	0	0	1.0	-	43	-	-	-	-	-	1	1	1	2
7.1	2272	5451	1	0	0	0.8	16	17	-	-	1	-	-	1	3	2	1
7.1	2272	5473	1	0	0	1.2	-	17	-	-	-	-	-	3	1	1	2
7.1	2272	5478	2	0	0	0.8	-	14	-	-	-	-	-	3	3	2	1
7.1	2272	5550	1	0	0	0.6	-	2	-	-	-	-	-	4	3	1	1
7.1	2272	5691	1	0	0	1.4	-	100	-	-	-	-	-	3	1	2	1
7.1	2282	5458	3	0	0	-	-	6	-	-	-	-	-	1	2	2	2
7.1	2287	5326	1	0	0	0.6	-	12	-	-	-	-	-	1	2	1	1
7.1	2287	5333	3	0	0	1.3	-	33	-	-	-	-	-	3	1	2	2
7.1	2287	5370	1	0	0	0.4	-	11	-	-	-	2	-	1	2	2	1
7.1	2287	5428	1	0	0	0.7	-	25	-	-	-	2	-	1	3	1	2
7.1	2290	5457	1	0	0	0.7	-	4	-	-	-	-	-	1	2	2	2
7.1	2292	5497	1	0	0	1.0	-	26	-	-	-	2	-	1	5	2	2
7.1	2292	5498	1	0	0	0.8	-	21	-	-	-	-	-	1	5	1	2
7.1	2292	5502	3	0	0	0.6	-	6	-	-	-	-	-	5	5	1	2
7.1	2292	5510	0	1	0	0.7	-	9	1	2	-	-	-	2	3	2	2
7.1	2313	5299	1	0	0	0.7	-	22	-	-	-	-	-	1	5	1	2
7.1	2324	5306	1	0	0	1.3	-	33	-	-	-	-	-	3	1	1	2
7.1	2324	5308	0	0	1	0.8	14	38	-	-	1	-	-	1	2	1	2
7.1	2325	5304	1	0	0	0.8	-	4	-	-	-	-	-	1	1	2	2
7.1	2336	5419	1	0	0	0.9	-	6	-	-	-	-	-	2	1	1	1
7.1	2344	5467A	1	0	0	1.2	-	35	-	-	-	-	-	3	5	2	2
7.1	2344	5467B	1	0	0	0.7	-	5	-	-	-	-	-	1	5	1	2
7.1	2350	5874	1	0	0	0.5	-	7	-	-	1	3	-	1	3	2	2
7.1	2350	5875	2	0	1	0.6	-	44	-	-	1	2	-	2	2	1	1
7.1	2350	5876	4	0	0	0.5	-	28	-	-	-	1	-	6	5	1	2
7.1	2350	5877	0	0	1	0.7	-	16	-	-	1	2	-	2	3	1	1
7.1	2366	5481	0	0	2	0.8	10	121	-	-	1	-	-	1	1	1	1
7.1	2366	5486	0	1	0	0.7	16	17	1	2	-	-	-	4	5	1	1
7.1	2366	5523	2	0	1	0.8	-	43	-	-	1	-	-	1	5	1	1
7.1	2366	5552	3	0	0	0.7	-	43	-	-	-	-	-	1	5	1	1
7.1	2381	5607	1	0	0	1.4	-	82	-	-	-	1	-	1	5	1	1
7.1	2381	5668	0	0	1	0.8	14	19	-	-	1	-	-	1	3	2	2
7.1	2381	5670	1	0	0	0.9	-	15	-	-	-	2	-	1	5	2	1
7.1	2381	5689	0	0	1	1.1	14	82	-	-	1	-	-	1	5	2	1
7.1	2381	5690	1	0	0	0.9	-	19	-	-	-	-	-	1	1	2	2
7.1	2381	5693	1	0	0	1.2	-	20	-	-	-	-	-	4	3	2	1
7.1	2381	5694	1	0	0	0.9	-	44	-	-	-	2	-	2	5	1	1
7.1	2381	5715	1	0	0	0.7	-	6	-	-	-	-	-	1	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.1	2381	5716	1	0	0	1.2	-	42	-	-	-	1	-	3	2	2	1
7.1	2381	5717	1	0	0	0.7	-	9	-	-	-	2	-	1	2	2	2
7.1	2381	5718	0	1	0	0.9	-	5	-	1	-	-	-	1	1	1	2
7.1	2381	5720	1	0	0	0.8	-	5	-	-	-	-	-	4	1	2	2
7.1	2381	5726	1	0	0	1.0	-	12	-	-	-	-	-	1	3	1	2
7.1	2381	5767	2	0	0	0.6	-	9	-	-	-	1	-	1	1	1	2
7.1	2381	5806A	1	0	0	0.8	-	12	-	-	-	1	-	1	5	1	2
7.1	2381	5806B	2	1	0	0.7	-	7	-	3	-	-	-	2	3	2	2
7.1	2394	5678	5	0	0	-	-	9	-	-	-	-	2	1	3	2	2
7.1	2410	5559A	0	1	0	0.9	-	2	-	1	-	-	-	2	1	2	2
7.1	2410	5559B	0	0	0	-	-	4	-	-	-	-	-	2	3	2	2
7.1	2422	5679	1	0	0	0.6	-	9	-	-	-	-	-	3	1	1	2
7.2	0059	0396	0	1	0	0.6	16	6	-	2	-	-	-	1	2	2	2
7.2	0059	0868	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.2	0059	0870	0	1	0	0.6	18	6	-	2	-	-	-	1	2	2	2
7.2	0059	0873	1	0	0	0.6	-	9	-	-	-	-	-	1	3	2	2
7.2	0059	0908	0	0	1	0.7	-	5	-	-	1	-	-	1	3	2	2
7.2	0059	0978	2	0	0	0.8	-	6	-	-	-	-	-	1	5	2	2
7.2	0059	1024A	1	0	0	0.2	-	6	-	-	-	-	-	5	1	2	2
7.2	0059	1024B	0	1	0	0.6	18	20	-	3	-	1	-	2	5	2	2
7.2	0059	1024C	0	1	0	0.6	-	28	-	4	-	-	-	1	2	2	2
7.2	0059	1024D	0	1	0	0.6	24	10	-	1	-	-	-	1	2	2	2
7.2	0059	1024E	1	0	0	0.7	-	25	-	-	-	3	-	1	5	2	2
7.2	0059	1024F	1	0	0	0.6	-	14	-	-	-	2	-	2	5	2	2
7.2	0059	1024G	0	0	1	0.8	8	11	-	-	-	-	-	1	3	2	2
7.2	0059	1024H	0	0	1	0.6	-	28	-	-	-	-	-	1	3	2	2
7.2	0059	1024I	2	0	0	0.7	-	14	-	-	-	-	-	2	3	2	2
7.2	0059	1024J	2	0	0	0.6	-	3	-	-	-	-	-	2	1	2	2
7.2	0059	1024K	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
7.2	0059	1024L	3	0	0	0.7	-	50	-	-	-	-	-	1	3	2	2
7.2	0059	1024M	3	0	0	0.4	-	23	-	-	-	-	-	1	3	2	2
7.2	0059	1024N	15	0	0	1.0	-	74	-	-	-	-	-	1	3	2	2
7.2	0059	1024O	4	0	0	0.7	-	25	-	-	-	-	-	5	3	2	2
7.2	0059	1024P	25	0	0	0.9	-	138	-	-	-	-	-	1	1	2	2
7.2	0059	1024Q	3	0	0	0.6	-	22	-	-	-	-	-	6	3	2	2
7.2	0059	1024R	1	0	0	1.3	-	19	-	-	-	-	-	6	3	2	2
7.2	0059	1024S	1	0	0	0.8	-	11	-	-	-	-	-	1	5	2	2
7.2	0059	1024T	1	0	0	0.7	-	1	-	-	-	-	-	6	1	2	2
7.2	0059	1024U	4	0	0	1.2	-	48	-	-	-	-	-	1	3	2	2
7.2	0059	1024V	3	0	0	0.8	-	27	-	-	-	-	-	2	3	2	2
7.2	0059	1047A	1	0	0	0.5	-	-	-	-	-	3	-	1	2	2	2
7.2	0059	1047B	1	0	0	0.8	-	-	-	-	-	2	-	1	2	2	2
7.2	0059	1047C	1	0	0	0.6	-	-	-	-	-	-	-	1	5	2	2
7.2	0059	1047D	1	0	0	0.9	-	-	-	-	-	-	-	3	1	2	2
7.2	0059	1047E	1	0	0	1.0	-	-	-	-	-	-	-	5	3	2	2
7.2	0059	1047F	1	0	0	0.8	-	-	-	-	-	-	-	1	5	2	2
7.2	0059	1051A	0	1	0	0.9	26	35	-	2	-	-	-	2	5	2	2
7.2	0059	1051B	0	1	0	0.6	-	3	-	1	-	-	-	2	3	2	2
7.2	0059	1067A	0	1	0	0.8	26	35	-	1	-	-	-	2	2	2	2
7.2	0059	1067B	0	1	0	0.7	-	4	-	1	-	-	-	2	1	2	2
7.2	0060	0657	0	1	0	0.8	-	3	-	1	-	-	-	1	3	2	2
7.2	0060	0658	0	0	1	1.0	-	28	-	-	-	-	-	1	5	2	2
7.2	0060	0659	1	0	0	0.6	-	5	-	-	-	-	-	1	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0060	0661	1	0	0	0.8	-	6	-	-	-	-	-	1	1	2	2
7.2	0060	0662	1	0	0	0.8	-	5	-	-	-	-	-	1	1	2	2
7.2	0060	0663	0	1	0	0.8	-	3	-	1	-	-	-	2	2	2	2
7.2	0060	0798	1	0	0	0.6	-	20	-	-	-	2	-	1	5	2	2
7.2	0060	0799	1	0	0	0.7	-	16	-	-	-	-	-	1	3	2	2
7.2	0060	0893	0	1	0	0.5	-	2	-	2	-	-	-	1	1	2	2
7.2	0060	0904	1	0	0	0.5	-	2	-	-	-	-	-	2	5	2	2
7.2	0060	0905	1	0	0	0.9	-	12	-	-	-	-	-	5	1	2	2
7.2	0278	1602	1	0	0	0.6	-	9	-	-	-	-	-	1	5	2	2
7.2	0278	2682	1	0	0	0.8	-	6	-	-	-	-	-	1	5	2	1
7.2	0278	2683A	0	1	0	0.6	14	8	-	2	-	-	-	2	1	2	1
7.2	0278	2683B	1	0	0	0.7	-	3	-	-	-	-	-	1	2	2	2
7.2	0278	2685A	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
7.2	0278	2685B	1	0	0	0.7	-	4	-	-	-	-	-	2	1	2	2
7.2	0285	1612	1	0	0	0.5	-	11	-	-	-	-	-	1	1	1	2
7.2	0290	1745	1	0	0	0.6	-	15	-	-	-	-	-	1	5	1	2
7.2	0290	1773	1	0	0	0.9	-	23	-	-	-	-	-	3	3	1	2
7.2	0290	1780	0	1	0	0.8	-	35	-	1	-	-	-	3	5	2	2
7.2	0290	1782	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.2	0290	1783	1	0	0	0.6	-	2	-	-	-	-	-	2	1	2	2
7.2	0290	1785	1	0	0	0.8	-	5	-	-	-	-	-	1	5	1	2
7.2	0309	1200	1	0	0	0.8	-	4	-	-	-	-	-	1	2	2	2
7.2	0309	1545	0	1	0	0.6	12	9	-	1	-	-	-	1	2	1	1
7.2	0320	1300	1	0	0	0.8	-	10	-	-	-	-	-	1	3	2	1
7.2	0330	2073	1	0	0	1.1	-	6	-	-	-	-	-	1	5	2	2
7.2	0335	1360	2	0	0	0.5	-	4	-	-	-	-	-	1	2	1	2
7.2	0335	1369	1	0	0	0.7	-	11	-	-	-	-	-	1	3	2	1
7.2	0335	1372	1	0	0	0.5	-	1	-	-	-	-	-	1	2	2	2
7.2	0335	1376	1	0	0	0.8	-	13	-	-	-	-	-	1	3	1	2
7.2	0339	1384	1	0	0	1.0	-	3	-	-	-	-	-	1	5	1	2
7.2	0335	1636	1	0	0	0.8	-	7	-	-	-	-	-	3	3	1	2
7.2	0335	1690	0	0	1	0.7	12	46	-	-	10	-	-	1	3	1	2
7.2	0335	1693	0	0	1	0.7	-	15	-	-	-	-	-	1	3	2	1
7.2	0335	1862	1	0	0	0.7	-	12	-	-	-	-	-	1	1	1	1
7.2	0339	1852	1	0	0	0.7	-	18	-	-	-	1	-	1	2	2	2
7.2	0339	1853	1	0	0	1.0	-	10	-	-	-	-	-	1	3	2	1
7.2	0339	1856	1	0	0	1.0	-	3	-	-	-	-	-	1	3	2	2
7.2	0339	1857	0	3	0	0.5	-	14	-	1	-	-	-	1	2	1	1
7.2	0339	1866	1	0	0	0.4	-	5	-	-	-	-	-	1	5	2	2
7.2	0339	1867	1	0	0	0.7	-	5	-	-	-	-	-	1	5	2	2
7.2	0339	1869	1	0	0	0.9	-	-	-	-	-	-	-	1	3	2	2
7.2	0339	1883	1	0	0	0.7	-	11	-	-	-	-	-	1	2	1	1
7.2	0339	2312	1	0	0	0.7	-	3	-	-	-	-	-	1	1	2	2
7.2	0341	1882	0	0	1	0.9	20	30	-	-	10	-	-	1	5	2	2
7.2	0341	2083A	1	0	0	0.7	-	8	-	-	-	-	-	1	2	1	1
7.2	0341	2083B	1	0	0	0.5	-	5	-	-	-	-	-	3	5	1	1
7.2	0341	2083C	1	0	0	0.4	-	4	-	-	-	3	-	2	5	2	2
7.2	0344	1478	0	1	0	0.6	-	10	-	1	-	-	-	1	3	2	2
7.2	0344	1507	0	0	1	0.8	22	27	-	-	-	-	-	1	5	1	1
7.2	0344	1581	1	0	0	0.7	-	14	-	-	-	1	-	1	2	1	1
7.2	0344	1586	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.2	0344	1587	1	0	0	0.7	-	8	-	-	-	-	-	1	3	2	2
7.2	0344	1778	1	0	0	0.7	-	20	-	-	-	-	1	1	1	2	2
7.2	0344	1800	1	0	0	0.6	-	4	-	-	-	-	-	1	1	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0344	1812	1	0	0	-	-	3	-	-	-	-	-	1	5	2	2
7.2	0344	2555	1	0	0	0.6	-	3	-	-	-	-	-	3	1	1	2
7.2	0349	1701	1	0	0	1.0	-	10	-	-	-	-	-	1	5	2	1
7.2	0349	1705A	1	0	0	0.8	-	15	-	-	-	-	-	1	5	1	2
7.2	0349	1705B	1	0	0	1.0	-	7	-	-	-	-	-	1	5	2	1
7.2	0349	1705C	1	0	0	0.8	-	9	-	-	-	-	-	1	5	1	1
7.2	0349	1705D	1	0	0	0.6	-	9	-	-	-	-	-	1	2	2	2
7.2	0349	1705G	0	2	0	0.5	-	8	-	1	-	-	-	1	2	1	1
7.2	0349	1709A	1	0	0	0.9	-	20	-	-	-	-	-	1	5	2	2
7.2	0349	1709C	2	0	0	0.8	-	19	-	-	-	-	-	1	5	2	1
7.2	0349	1709D	1	0	0	0.9	-	17	-	-	-	-	-	1	5	1	1
7.2	0349	1709E	4	0	0	0.6	-	9	-	-	-	-	-	3	2	1	2
7.2	0349	1710	1	0	0	0.6	-	12	-	-	-	-	-	1	3	1	2
7.2	0349	1710A	2	0	0	0.9	-	10	-	-	-	-	-	3	5	2	2
7.2	0349	1712	1	0	0	0.8	-	18	-	-	-	-	-	3	5	2	1
7.2	0349	1716A	1	0	0	0.7	-	19	-	-	-	-	-	1	3	1	2
7.2	0349	1716B	1	0	0	0.7	-	13	-	-	-	-	-	3	5	2	2
7.2	0349	1716C	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	2
7.2	0349	1720	1	0	0	0.8	-	7	-	-	-	-	-	1	5	2	2
7.2	0349	1727	1	0	0	0.7	-	12	-	-	-	-	-	1	1	1	2
7.2	0353	1535	1	0	0	0.5	-	5	-	-	-	-	-	6	3	2	2
7.2	0353	1621	1	0	0	0.8	-	2	-	-	-	-	-	3	5	1	2
7.2	0353	1637	0	0	1	0.9	12	31	-	-	-	-	-	1	1	2	2
7.2	0353	1670	1	0	0	0.9	-	20	-	-	-	-	-	1	3	2	2
7.2	0353	1691	40	0	0	0.7	-	65	-	-	-	-	-	1	5	2	1
7.2	0353	1706	0	1	0	0.5	20	12	-	2	-	-	-	3	1	1	2
7.2	0353	1736	1	0	0	0.5	-	4	-	-	-	-	-	1	3	2	2
7.2	0353	1740	1	0	0	0.7	-	4	-	-	-	-	-	6	3	2	2
7.2	0353	1749	1	0	0	0.7	-	7	-	-	-	-	-	1	3	1	2
7.2	0353	1774	1	0	0	0.6	-	12	-	-	-	-	-	1	2	1	1
7.2	0353	1775A	0	1	0	0.7	26	20	-	-	4	-	-	1	3	2	2
7.2	0353	1775B	2	0	0	0.8	-	10	-	-	-	-	-	1	5	1	2
7.2	0353	1784	1	0	0	0.6	-	10	-	-	-	-	-	1	5	2	1
7.2	0353	1786A	0	0	1	1.2	-	18	-	-	-	-	-	1	5	1	2
7.2	0353	1786B	1	0	0	0.5	-	4	-	-	-	-	-	1	5	1	2
7.2	0353	1792	1	0	0	0.5	-	20	-	-	-	1	-	1	2	1	1
7.2	0353	1838	1	0	0	0.7	-	11	-	-	-	2	-	1	2	1	2
7.2	0353	2557	0	1	0	0.9	-	12	-	1	-	-	-	3	1	1	2
7.2	0360	1806	1	0	0	0.7	-	3	-	-	-	-	-	3	3	2	2
7.2	0360	1808	0	1	0	0.8	-	5	-	2	-	-	-	3	1	2	2
7.2	0362	1514	1	0	0	0.7	7	17	-	-	-	2	-	1	5	1	2
7.2	0366	2077	1	0	0	0.6	-	3	-	-	-	3	-	1	5	2	2
7.2	0368	1523	3	0	0	0.8	-	19	-	-	-	-	-	1	3	2	2
7.2	0368	1524A	0	1	0	0.6	14	49	-	1	-	1	-	1	1	1	2
7.2	0368	1524B	1	0	0	0.9	-	18	-	-	-	-	-	1	3	1	2
7.2	0368	1524C	1	0	0	0.9	-	16	-	-	-	-	-	1	3	1	2
7.2	0368	1525A	1	0	0	0.7	-	10	-	-	-	1	-	1	3	1	2
7.2	0368	1525C	1	0	0	0.8	-	4	-	-	-	-	-	1	5	2	2
7.2	0368	1525E	1	0	0	0.6	-	8	-	-	-	-	-	1	3	1	2
7.2	0368	1526	1	0	0	0.8	-	17	-	-	-	1	-	1	2	1	2
7.2	0368	1528	1	0	0	0.6	-	17	-	-	-	-	-	3	1	2	2
7.2	0368	1529A	1	0	0	0.6	-	6	-	-	-	-	-	1	3	2	2
7.2	0368	1529B	1	0	0	0.7	-	4	-	-	-	-	-	1	3	1	2
7.2	0368	1563	1	0	0	0.8	-	4	-	-	-	-	-	1	2	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0368	1565	0	0	1	0.9	-	13	-	-	1	-	-	1	3	2	2
7.2	0368	1567	0	0	1	-	-	3	-	-	7	-	-	1	1	2	2
7.2	0368	1569	1	0	0	0.8	-	7	-	-	-	-	-	1	3	2	2
7.2	0368	1569A	1	0	0	0.8	-	28	-	-	-	2	-	1	5	1	1
7.2	0368	1569B	2	0	0	0.8	-	18	-	-	-	-	-	1	3	1	2
7.2	0368	1573	1	0	0	0.8	-	6	-	-	-	-	-	1	5	1	2
7.2	0368	1575	1	0	0	0.5	-	4	-	-	-	-	-	1	5	2	2
7.2	0368	1580	1	0	0	0.7	-	3	-	-	-	-	-	1	2	2	2
7.2	0368	1580A	0	2	0	0.7	23	20	-	1	-	1	-	1	1	1	1
7.2	0368	1580C	2	0	0	0.7	-	17	-	-	-	1	-	1	1	1	1
7.2	0368	1580E	0	1	0	0.7	-	9	-	1	-	-	-	1	1	1	2
7.2	0371	1576	1	0	0	0.8	-	4	-	-	-	-	-	1	5	2	2
7.2	0371	1624	1	0	0	1.0	-	28	-	-	-	-	-	3	1	1	1
7.2	0371	1893	1	0	0	0.6	-	11	-	-	-	-	-	1	3	2	2
7.2	0371	1957	1	0	0	0.5	-	7	-	-	-	2	-	5	2	1	2
7.2	0372	1633	1	0	0	0.5	-	7	-	-	-	1	-	3	1	1	2
7.2	0372	1930	1	0	0	0.5	-	4	-	-	-	2	-	1	1	1	2
7.2	0372	1931	1	0	0	0.5	-	58	-	-	-	-	-	2	5	1	2
7.2	0372	1936	1	0	0	0.6	-	13	-	-	-	-	-	2	5	1	2
7.2	0372	1937	1	0	0	0.8	-	26	-	-	-	-	-	2	5	1	2
7.2	0374	1571	1	0	0	0.5	-	4	-	-	-	-	-	1	1	2	2
7.2	0374	1574	4	0	0	0.9	-	45	-	-	-	1	-	1	3	1	2
7.2	0375	1585	1	0	0	0.7	-	4	-	-	-	-	-	5	5	2	2
7.2	0375	1797	0	1	0	0.6	-	9	-	1	-	-	-	1	2	1	1
7.2	0375	1801A	1	0	0	0.7	-	6	-	-	-	-	-	1	1	2	2
7.2	0375	1801B	1	0	0	0.4	-	2	-	-	-	-	-	1	1	2	2
7.2	0375	1877	1	0	0	0.8	-	11	-	-	-	-	-	1	3	2	1
7.2	0375	1886	1	0	0	0.5	-	15	-	-	-	-	-	1	3	1	1
7.2	0375	1887	0	0	1	0.7	-	9	-	-	10	-	-	1	1	2	1
7.2	0375	1888	0	1	0	0.8	-	6	-	2	-	-	-	1	5	2	2
7.2	0375	1889A	1	0	0	0.8	-	7	-	-	-	-	-	1	3	1	2
7.2	0375	1889B	1	0	0	0.6	-	2	-	-	-	-	-	1	3	1	2
7.2	0375	1892	1	0	0	0.8	-	9	-	-	-	-	-	1	5	1	2
7.2	0375	1892B	1	0	0	0.7	-	4	-	-	-	-	-	3	5	2	2
7.2	0375	1892C	1	0	0	0.6	-	3	-	-	-	-	-	1	5	2	1
7.2	0375	1892D	1	0	0	0.7	-	3	-	-	-	-	-	1	1	1	2
7.2	0375	1896	1	0	0	0.5	-	3	-	-	-	-	-	1	3	2	2
7.2	0376	1634	1	0	0	0.9	-	7	-	-	-	-	-	1	3	2	2
7.2	0376	1828	1	0	0	0.5	-	4	-	-	-	-	-	1	1	1	2
7.2	0381	1613	1	0	0	0.7	-	18	-	-	-	-	-	1	1	2	1
7.2	0381	1807	0	1	0	0.8	-	6	-	1	-	-	-	1	5	2	2
7.2	0381	1811	1	0	0	0.9	-	17	-	-	-	2	-	1	5	1	2
7.2	0381	1822	1	0	0	0.6	-	5	-	-	-	-	-	2	5	1	2
7.2	0381	1824	1	0	0	0.7	-	17	-	-	-	-	-	1	5	1	2
7.2	0381	1825	1	0	0	0.6	-	17	-	-	-	-	-	1	1	1	1
7.2	0381	1837	0	1	0	0.7	10	25	-	3	-	-	-	2	5	2	2
7.2	0381	2303	1	0	0	0.7	-	11	-	-	-	-	-	1	1	1	1
7.2	0386	1525B	1	0	0	0.9	-	14	-	-	-	-	-	3	3	2	2
7.2	0386	1731	1	0	0	0.5	-	5	-	-	-	-	-	1	1	1	2
7.2	0386	1746	1	0	0	0.6	-	8	-	-	-	-	-	1	3	1	1
7.2	0386	1829	1	0	0	0.7	-	26	-	-	-	-	-	1	3	1	1
7.2	0386	1895	0	2	0	0.6	20	35	-	2	-	-	-	1	5	1	1
7.2	0386	2087A	0	0	1	0.4	-	9	-	-	10	2	-	1	5	2	2
7.2	0386	2087B	1	0	0	0.6	14	10	-	-	-	-	-	1	3	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0386	2373	0	0	1	0.6	10	22	-	-	10	-	-	1	3	2	2
7.2	0386	2385A	1	0	0	0.6	-	10	-	-	-	-	-	1	1	2	2
7.2	0386	2385C	1	0	0	0.7	-	12	-	-	-	-	4	1	3	2	2
7.2	0386	2385D	1	0	0	0.4	-	4	-	-	-	-	-	1	1	2	2
7.2	0386	2385F	1	0	0	0.7	-	3	-	-	-	-	-	1	1	2	2
7.2	0386	2563A	1	0	0	0.7	-	2	-	-	-	1	-	2	1	2	2
7.2	0386	2563B	0	1	0	0.3	-	3	-	5	-	-	-	1	5	2	2
7.2	0386	2565A	0	0	1	0.9	-	34	-	-	10	-	-	1	5	1	2
7.2	0386	2565B	1	0	0	0.8	-	22	-	-	-	1	-	1	3	2	2
7.2	0386	2565C	0	1	0	0.5	16	5	-	1	-	-	-	1	5	1	2
7.2	0386	2565D	1	0	0	0.8	-	10	-	-	-	-	-	1	3	2	2
7.2	0386	2565E	1	0	0	0.8	-	5	-	-	-	-	-	1	3	2	1
7.2	0386	2565F	1	0	0	0.8	-	5	-	-	-	-	-	1	5	2	2
7.2	0386	2565G	1	0	0	0.9	-	5	-	-	-	-	-	1	3	1	2
7.2	0386	2690A	1	0	0	0.4	-	2	-	-	-	-	-	1	1	2	2
7.2	0386	2690B	1	0	0	0.6	-	2	-	-	-	-	-	1	2	2	2
7.2	0395	1833	1	0	0	0.6	-	6	-	-	-	-	-	2	1	2	1
7.2	0401	1943	1	0	0	0.7	-	22	-	-	-	-	-	1	1	2	1
7.2	0401	2284	1	0	0	0.6	-	5	-	-	-	-	-	1	5	2	2
7.2	0404	1909A	1	0	0	0.6	-	11	-	-	-	2	-	1	5	1	2
7.2	0404	1909B	0	1	0	0.7	16	18	-	3	-	2	-	1	1	2	2
7.2	0404	1909C	1	0	0	0.9	-	13	-	-	-	-	-	1	5	2	2
7.2	0404	1909D	0	0	1	0.9	16	16	7	-	5	2	-	1	3	2	2
7.2	0404	1909F	1	0	0	0.3	-	1	-	-	-	3	-	2	2	2	2
7.2	0407	1946	0	1	0	0.6	18	6	-	1	-	-	-	1	1	2	2
7.2	0407	1949	1	0	0	0.8	-	6	-	-	-	-	-	3	3	2	2
7.2	0407	1962	1	0	0	0.9	-	3	-	-	-	-	-	1	1	2	2
7.2	0407	1968	1	0	0	0.6	-	11	-	-	-	2	-	1	5	2	2
7.2	0407	1973	1	0	0	0.6	-	12	-	-	-	-	-	6	3	1	1
7.2	0407	1975	1	0	0	0.7	-	30	-	-	-	-	-	1	5	2	2
7.2	0407	1982	1	0	0	0.5	-	17	-	-	-	2	-	1	2	1	2
7.2	0407	1988	1	0	0	0.6	-	19	5	-	-	2	-	2	3	2	1
7.2	0407	2382	1	0	0	1.4	-	-	-	-	-	-	-	1	1	2	2
7.2	0411	1879	1	0	0	0.6	-	6	-	-	-	-	-	3	1	2	1
7.2	0411	1972	1	0	0	0.5	-	5	-	-	-	-	-	6	3	2	2
7.2	0411	2158	0	1	0	0.6	24	20	-	1	-	-	-	1	5	2	2
7.2	0411	2160	1	0	0	0.8	-	3	-	-	-	-	-	1	3	2	1
7.2	0411	2160	1	0	0	0.8	-	8	-	-	-	-	-	3	5	1	2
7.2	0411	2178	0	0	1	0.4	14	5	-	-	1	-	-	1	1	1	2
7.2	0411	2204	1	0	0	0.6	-	15	-	-	2	-	-	1	5	2	2
7.2	0411	2210	1	0	0	0.6	-	20	-	-	-	-	-	3	5	1	1
7.2	0411	2223	1	0	0	0.6	-	10	-	-	-	-	-	1	5	1	2
7.2	0411	2229	1	0	0	0.6	-	4	-	-	-	-	-	1	2	1	2
7.2	0411	2248	0	0	1	1.0	-	26	-	-	-	2	-	1	3	1	1
7.2	0411	2306	1	0	0	0.9	-	5	-	-	-	-	-	3	2	2	2
7.2	0412	1964	1	0	0	0.8	-	3	-	-	-	-	-	2	3	1	2
7.2	0412	2054	1	0	0	0.8	-	49	-	-	-	-	-	2	5	1	1
7.2	0412	2061	1	0	0	0.7	-	15	-	-	-	-	-	6	5	2	1
7.2	0412	2066	1	0	0	1.6	-	7	-	-	-	-	-	2	5	1	2
7.2	0412	2068	1	0	0	0.7	-	23	-	-	-	2	-	2	5	2	1
7.2	0412	2142	0	0	1	0.7	28	25	-	-	-	-	-	6	5	1	1
7.2	0412	2141	0	0	1	0.8	-	8	-	-	-	-	-	3	1	2	2
7.2	0412	2145	0	0	1	1.2	22	23	-	-	-	-	-	6	5	2	2
7.2	0412	2147	1	0	0	0.8	-	19	-	-	-	-	-	2	3	1	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0412	2148	1	0	0	0.8	-	10	-	-	-	-	-	1	1	2	2
7.2	0412	2155	1	0	0	0.7	-	4	-	-	-	-	-	6	3	1	2
7.2	0412	2159	1	0	0	0.7	-	27	-	-	-	1	-	6	5	1	1
7.2	0412	2162	1	0	0	0.8	-	12	-	-	-	-	-	6	3	2	2
7.2	0412	2164	1	0	0	0.7	-	8	-	-	-	-	-	6	5	2	2
7.2	0412	2165	1	0	0	1.5	-	35	-	-	-	-	-	6	3	2	2
7.2	0412	2169	1	0	0	0.7	-	6	-	-	-	-	-	2	5	2	2
7.2	0412	2181	1	0	0	0.7	-	13	-	-	-	-	-	6	5	2	2
7.2	0412	2182	1	0	0	0.8	-	11	-	-	-	2	-	2	5	2	2
7.2	0412	2184	1	0	0	0.7	-	26	-	-	-	-	-	6	5	2	2
7.2	0412	2186	1	0	0	0.7	-	2	-	-	-	-	-	2	5	1	1
7.2	0412	2187	1	0	0	0.7	-	5	-	-	-	-	-	6	5	2	2
7.2	0412	2188	0	1	0	0.7	18	50	1	3	-	-	-	6	5	2	2
7.2	0412	2189	1	0	0	0.8	-	18	-	-	-	-	-	6	3	1	2
7.2	0412	2221	0	1	0	0.4	12	5	-	15	-	-	-	1	3	2	2
7.2	0412	2234	1	0	0	0.6	-	9	-	-	-	-	-	6	5	2	2
7.2	0414	1924	1	0	0	0.5	-	12	-	-	-	-	-	2	5	1	1
7.2	0414	1929	1	0	0	0.5	-	3	-	-	-	-	-	1	5	1	1
7.2	0414	1952	1	0	0	0.8	-	21	-	-	-	2	-	1	5	1	2
7.2	0414	1955	1	0	0	0.5	-	10	-	-	-	-	-	1	5	2	1
7.2	0414	1959	3	1	0	0.5	14	28	-	1	-	1	-	1	1	2	2
7.2	0414	1965	1	0	0	0.5	-	13	-	-	-	1	-	1	3	1	1
7.2	0414	1969	1	0	0	0.6	-	6	-	-	-	-	-	3	5	2	2
7.2	0414	1974	1	0	0	0.7	-	2	-	-	-	-	-	1	3	2	2
7.2	0414	1976	1	0	0	0.7	-	14	-	-	-	-	-	1	3	1	2
7.2	0414	1979	1	0	0	0.6	-	10	-	-	-	-	-	2	3	2	1
7.2	0414	1991	1	0	0	0.8	-	10	-	-	-	-	-	3	3	2	2
7.2	0414	1992	1	0	0	0.7	-	14	-	-	-	-	-	3	5	1	1
7.2	0414	1997	1	0	0	0.8	-	14	-	-	-	2	-	1	5	1	2
7.2	0418	1963	0	0	1	0.6	14	33	-	-	3	-	-	1	3	2	2
7.2	0419	1939	1	0	0	0.5	-	4	-	-	-	-	-	1	3	2	2
7.2	0419	2144	1	0	0	0.8	-	9	-	-	-	-	-	1	5	2	2
7.2	0419	2150	1	0	0	0.7	-	5	-	-	-	-	-	1	1	2	2
7.2	0419	2175	1	0	0	0.5	-	2	-	-	-	-	-	1	1	2	2
7.2	0422	1983	1	0	0	0.6	-	12	-	-	-	-	-	1	3	2	1
7.2	0423	2257	2	0	0	0.7	-	8	-	-	-	-	-	2	5	2	2
7.2	0423	2324	1	0	0	0.9	-	25	-	-	-	-	-	2	1	1	2
7.2	0423	2342	1	0	0	0.5	-	8	-	-	-	-	-	1	2	1	1
7.2	0423	2700	1	0	0	0.7	-	4	-	-	-	-	-	1	2	1	1
7.2	0434	1999	1	0	0	0.6	-	7	-	-	-	2	-	1	2	1	1
7.2	0434	2041	1	0	0	0.6	-	4	-	-	-	-	-	1	5	2	2
7.2	0442	2124	1	0	0	0.6	-	36	-	-	-	3	-	1	5	1	1
7.2	0442	2190	1	0	0	0.8	-	17	-	-	-	-	-	6	5	1	1
7.2	0442	2206	1	0	0	0.4	-	10	-	-	-	2	-	1	5	1	2
7.2	0442	2207	1	0	0	0.5	-	4	-	-	-	-	-	2	5	2	2
7.2	0442	2231	1	0	0	1.1	-	-	-	-	-	-	-	3	3	2	2
7.2	0448	2070	1	0	0	0.4	-	4	-	-	-	-	-	2	2	1	1
7.2	0448	2153	1	0	0	0.6	-	31	-	-	-	-	-	5	1	2	2
7.2	0461	2298	1	0	0	0.6	-	8	-	-	-	-	-	1	1	2	2
7.2	0461	2511	1	0	0	0.8	-	40	-	-	-	2	-	1	5	1	1
7.2	0466	2262	1	0	0	0.7	-	13	-	-	-	-	-	6	5	2	1
7.2	0466	2265	1	0	0	0.6	-	11	-	-	-	-	-	6	5	1	1
7.2	0466	2285	0	1	0	0.7	-	11	-	2	-	-	-	2	2	2	2
7.2	0466	2292	1	0	0	0.7	-	11	-	-	-	2	-	1	3	2	1

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	0466	2293	1	0	0	0.7	-	16	-	-	-	1	-	1	5	1	2
7.2	0466	2294	1	0	0	0.5	-	5	-	-	-	-	-	1	1	1	2
7.2	0469	2286A	1	0	0	0.7	-	62	-	-	-	-	-	1	1	2	2
7.2	0469	2286B	2	0	0	0.6	-	38	-	-	-	-	-	1	5	2	2
7.2	0469	2336	0	1	0	0.7	-	10	-	1	-	-	-	1	2	1	1
7.2	0483	2370	1	0	0	1.0	-	22	-	-	-	-	-	1	2	2	2
7.2	0975	3839	1	0	0	0.6	-	-	-	-	-	-	-	2	3	1	2
7.2	1007	3600	1	0	0	0.9	-	26	-	-	-	-	-	1	1	1	1
7.2	1007	3682	1	0	0	0.8	-	30	-	-	-	-	-	1	5	1	1
7.2	1007	3686	0	0	1	0.8	-	22	-	-	10	-	-	1	5	2	2
7.2	1007	3831	1	0	0	0.8	-	6	-	-	-	-	-	3	1	1	2
7.2	1007	3846	1	0	0	-	-	26	-	-	-	-	-	4	1	1	2
7.2	1007	3880	1	0	0	1.0	-	8	-	-	-	-	-	2	3	2	2
7.2	1007	3998	1	0	0	0.8	-	12	-	-	-	-	-	1	3	2	1
7.2	2105	5177	0	1	0	0.5	-	3	-	1	-	-	-	1	5	2	2
7.2	2151	4502	1	0	0	1.0	-	20	-	-	-	-	2	3	2	1	2
7.2	2151	4894	1	0	0	0.9	-	12	-	-	-	-	-	3	1	2	2
7.2	2151	5038A	1	0	0	0.5	-	5	-	-	-	-	-	1	5	2	2
7.2	2151	5038B	1	0	0	0.9	-	2	-	-	-	-	-	1	3	2	2
7.2	2151	5276	1	0	0	1.2	-	17	-	-	-	-	-	1	1	2	2
7.2	2233	5287	0	0	1	0.8	18	35	-	-	9	-	-	1	3	2	2
7.2	2234	5134	1	0	0	0.8	-	19	-	-	-	2	-	1	5	2	1
7.2	2234	5234	0	0	1	1.0	-	33	-	-	10	-	-	2	5	2	2
7.2	2234	5236	1	0	0	0.6	-	19	-	-	-	-	-	2	5	2	2
7.2	2234	5385	1	0	0	0.6	-	6	-	-	-	-	-	2	5	2	1
7.2	2237	5203	1	0	0	0.6	-	5	-	-	-	-	-	1	1	1	1
7.2	2240	5228	1	0	0	0.8	-	8	-	-	-	1	-	6	5	2	2
7.2	2240	5325	1	0	0	0.7	-	14	-	-	-	2	-	1	3	1	1
7.2	2260	5222	1	0	0	1.0	-	19	-	-	-	-	-	6	2	1	2
7.2	2260	5223	1	0	0	1.0	-	41	-	-	-	-	-	2	5	2	1
7.2	2274	5241	1	0	0	0.9	-	35	-	-	-	-	-	2	5	2	2
7.2	2274	5242	1	0	0	0.6	-	10	-	-	-	-	-	2	5	2	2
7.2	2274	5245	1	0	0	0.8	-	24	-	-	-	-	-	2	5	2	2
7.2	2274	5251	1	0	0	0.8	-	15	-	-	-	-	-	2	5	2	2
7.2	2274	5289	1	0	0	0.8	-	8	-	-	-	-	-	2	5	2	2
7.2	2274	5291	1	1	0	0.5	-	7	-	1	-	-	-	2	3	2	2
7.2	2274	5292	1	0	0	0.7	-	6	-	-	-	-	-	2	3	1	2
7.2	2274	5293	1	0	0	0.7	-	19	-	-	-	-	-	2	3	2	2
7.2	2274	5294	1	0	0	0.8	-	54	-	-	-	-	-	2	3	2	2
7.2	2274	5295	1	0	0	0.7	-	4	-	-	-	-	-	2	3	2	2
7.2	2276	5254	1	0	0	0.7	-	20	-	-	-	-	-	1	5	1	2
7.2	2276	5255	1	0	0	0.6	-	14	-	-	-	-	-	1	3	1	1
7.2	2276	5286	1	0	0	0.6	-	6	-	-	-	-	-	2	5	2	2
7.2	2276	5288	1	0	0	0.8	-	35	-	-	-	2	-	2	5	1	2
7.2	2276	5343	1	0	0	0.7	-	22	-	-	-	2	-	2	5	2	1
7.2	2281	5237	1	0	0	0.8	-	12	-	-	-	-	-	2	5	2	1
7.2	2281	5252	0	1	0	0.6	20	17	-	16	-	-	-	2	5	2	2
7.2	2284	5296	1	0	0	0.7	-	16	-	-	-	-	-	2	5	2	2
7.2	2284	5305	1	0	0	1.0	-	9	-	-	-	-	-	2	5	2	2
7.2	2284	5307	1	0	0	0.9	-	24	-	-	-	-	-	2	5	2	2
7.2	2284	5310	2	0	0	0.9	-	125	-	-	-	-	-	2	5	2	2
7.2	2284	5321	1	0	0	0.5	-	3	-	-	-	-	-	2	5	2	2
7.2	2284	5368	1	0	0	0.8	-	23	-	-	-	-	-	2	5	2	2
7.2	2284	5369	1	0	0	0.8	-	75	-	-	-	-	-	2	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
7.2	2284	5371	1	0	0	0.8	-	36	1	-	-	-	-	2	3	1	1
7.2	2284	5374	1	0	0	0.8	-	31	-	-	-	-	-	2	5	2	2
7.2	2284	5375	1	0	0	0.7	-	5	-	-	-	-	-	2	5	2	2
7.2	2284	5376	1	0	0	0.8	-	12	-	-	-	-	-	2	5	2	2
7.2	2284	5377	1	0	0	0.7	-	11	-	-	-	-	-	2	5	2	2
7.2	2284	5378	1	0	0	0.8	-	30	-	-	-	-	-	2	5	2	2
7.2	2284	5405	1	0	0	0.8	-	19	-	-	-	-	-	2	5	2	2
7.2	2284	5407	2	0	0	0.8	-	25	-	-	-	-	-	2	5	2	2
7.2	2284	5408	1	0	0	0.5	-	9	-	-	-	-	-	6	5	2	2
7.2	2284	5409	0	1	0	0.6	-	5	-	1	-	-	-	2	3	2	1
7.2	2284	5410A	0	1	0	0.6	-	3	-	-	-	-	-	3	3	2	2
7.2	2284	5410B	1	0	0	0.7	-	3	-	-	-	-	-	2	3	2	2
7.2	2284	5411	1	0	0	0.5	-	10	-	-	-	-	-	1	2	1	1
7.2	2284	5413	0	1	0	0.6	-	3	-	1	-	-	-	2	5	2	1
7.2	2284	5414	1	0	0	0.8	-	5	-	-	-	-	-	2	5	2	2
7.2	2284	5415	3	0	0	0.8	-	20	-	-	-	-	-	2	5	2	2
7.2	2284	5417	1	0	0	0.8	-	19	-	-	-	-	-	2	5	2	2
7.2	2284	5420	1	0	0	0.5	-	20	-	-	-	-	-	2	5	1	2
7.2	2284	5421	0	1	0	0.6	18	19	2	-	-	-	-	1	2	1	1
7.2	2284	5422	0	0	1	0.9	-	37	-	-	1	-	-	1	3	2	1
7.2	2284	5423	1	0	1	0.5	12	14	-	-	1	-	-	1	5	2	2
7.2	2284	5426	0	0	1	0.7	-	11	-	-	1	-	-	1	5	1	1
7.2	2284	5430	1	0	0	0.7	-	25	-	-	-	-	-	1	3	2	1
7.2	2284	5432	0	1	0	0.7	18	69	1	2	-	-	-	2	5	1	1
7.2	2284	5435	1	0	0	0.8	-	23	-	-	-	-	-	1	3	2	2
7.2	2284	5439A	5	0	0	0.7	-	26	-	-	-	-	-	2	5	2	2
7.2	2284	5439B	1	0	0	0.7	-	3	-	-	-	-	-	2	5	2	2
7.2	2284	5439C	1	0	0	0.6	-	8	-	-	-	-	-	1	2	1	1
7.2	2284	5439D	1	0	0	0.8	-	6	-	-	-	-	-	2	1	1	2
7.2	2284	5443A	2	0	0	0.8	-	60	-	-	-	-	-	2	5	2	2
7.2	2284	5443B	1	0	0	0.6	-	10	-	-	-	1	-	1	5	1	1
7.2	2284	5465	3	0	0	0.7	-	52	-	-	-	2	-	4	5	2	2
7.2	2284	5472	1	0	0	0.8	-	54	-	-	-	-	-	2	5	2	2
7.2	2284	5816	1	1	0	0.7	-	20	-	1	-	-	-	2	5	2	1
7.2	2377	5637	2	0	0	0.8	-	22	-	-	-	-	-	1	3	1	2
7.2	2387	5609	1	0	0	0.7	-	10	-	-	-	-	-	6	2	1	1
7.2	2387	5674	1	0	0	0.6	-	19	-	-	-	2	-	1	5	1	1
7.2	2387	5707A	1	0	2	0.8	-	59	-	-	-	2	-	1	5	1	2
7.2	2387	5707B	1	0	1	0.9	-	31	-	-	1	-	-	3	1	2	2
7.2	2395	6400	1	0	0	0.4	-	4	-	-	-	2	-	2	2	1	1
7.2	2477	5604	1	0	0	0.6	-	17	-	-	-	-	-	1	5	2	1

PHASE 8

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
8.1	0057	1018	0	1	0	0.5	15	9	8	2	-	-	-	1	3	2	2
8.1	0305	1466A	1	0	0	0.5	-	3	-	-	-	-	-	2	5	2	2
8.1	0305	1466B	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	2
8.1	0305	1466C	1	0	0	0.5	-	8	-	-	-	-	-	1	5	2	2
8.1	0306	1428	1	0	0	0.7	-	6	-	-	-	-	-	1	5	2	1
8.1	0306	1433	1	0	0	0.9	-	6	-	-	-	-	-	3	3	2	1
8.1	0306	1468	1	0	0	0.7	-	4	-	-	-	-	-	1	5	2	1
8.1	0306	1717	1	0	0	0.5	-	2	-	-	-	-	-	1	3	2	2
8.1	0306	1739	0	1	0	0.7	-	7	-	1	-	-	-	3	1	1	2
8.1	0310	1304	0	0	1	0.6	12	16	-	-	9	-	-	1	5	2	1
8.1	0310	1306	1	0	0	0.4	-	3	-	-	-	-	-	1	1	2	2
8.1	0310	1319	1	0	0	0.9	-	17	-	-	-	-	-	1	3	2	1
8.1	0310	1570	1	0	0	0.9	-	5	-	-	-	2	-	3	3	1	2
8.1	0310	1590	1	0	0	0.7	-	30	-	-	-	-	-	2	5	2	2
8.1	0310	1592	1	0	0	1.0	-	12	-	-	-	-	-	1	1	2	2
8.1	0310	1595	1	0	0	0.7	-	10	-	-	-	-	-	1	5	2	2
8.1	0310	1597	1	0	0	0.5	-	5	-	-	-	-	-	3	1	2	2
8.1	0310	1598	1	0	0	0.7	-	10	-	-	-	-	-	1	5	2	2
8.1	0310	1606	1	0	0	0.8	-	3	-	-	-	-	-	1	5	2	2
8.1	0310	1672	0	1	0	0.7	20	9	-	15	-	-	-	2	5	2	2
8.1	0310	1678A	1	0	0	0.8	-	10	-	-	-	2	-	3	3	1	2
8.1	0310	1678B	1	0	0	0.7	-	-	-	-	-	-	2	-	1	1	1
8.1	0310	1678C	1	0	0	1.0	-	25	-	-	-	-	-	1	1	1	2
8.1	0310	1684	0	1	0	0.6	20	7	-	15	-	-	-	2	5	2	2
8.1	0310	1737	1	0	0	0.7	-	8	-	-	-	-	-	1	2	2	1
8.1	0321	1307	1	0	0	0.7	-	3	-	-	-	-	-	1	1	1	2
8.1	0321	1578	1	0	0	1.3	-	23	-	-	-	-	-	3	5	2	2
8.1	0321	1591	2	0	0	0.7	-	8	-	-	-	-	-	1	3	2	1
8.1	0321	1594	0	1	0	0.5	10	10	-	1	-	-	-	1	1	2	2
8.1	0321	1598	1	0	0	0.8	-	-	-	-	-	-	-	1	3	2	2
8.1	0321	2092A	0	0	1	1.1	16	29	-	-	10	-	-	1	3	2	2
8.1	0321	2092B	1	0	0	0.8	-	6	-	-	-	-	-	1	3	2	2
8.1	0321	2029C	1	0	0	0.6	-	4	-	-	-	-	-	1	3	2	2
8.1	0321	2092D	0	0	1	-	-	4	-	-	-	-	-	1	1	2	2
8.1	0322	1568	1	0	0	0.6	-	3	-	-	-	3	-	1	5	2	2
8.1	0322	1676	1	0	0	0.7	-	14	-	-	-	-	-	1	1	2	2
8.1	0322	1685	0	0	1	0.6	-	8	-	-	1	-	-	1	1	2	2
8.1	0323	1605	0	0	1	0.6	14	14	-	-	1	-	-	1	5	2	2
8.1	0346	1689	2	0	0	0.7	-	7	-	-	-	-	-	2	5	2	2
8.1	0348	1793	1	0	0	0.4	-	2	-	-	-	-	-	1	3	2	2
8.1	0348	1821	0	0	1	0.9	22	27	-	-	10	-	-	1	5	2	2
8.1	1009	3893	1	0	0	1.2	-	7	-	-	-	-	-	3	1	2	2
8.1	2010	4361A	0	0	1	0.6	-	9	-	-	1	-	-	1	5	2	1
8.1	2010	4361B	0	0	1	0.8	12	12	-	-	3	-	-	1	1	2	1
8.1	2043	4964	1	0	0	1.0	-	4	-	-	-	-	-	3	2	1	1
8.1	2107	4678	1	0	0	0.7	-	39	-	-	-	-	-	1	1	1	1
8.1	2109	4966	1	0	0	0.7	-	6	-	-	-	-	-	3	3	2	1
8.1	2115	4881	0	0	1	1.2	-	41	-	-	-	-	-	3	5	2	2
8.1	2115	4883	1	0	0	0.7	-	9	-	-	-	2	-	2	3	1	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
8.1	2147	4680	0	0	1	0.7	-	12	-	-	-	-	-	2	1	1	2
8.1	2149	5129	4	1	0	1.1	-	26	-	1	-	-	-	1	3	2	2
8.1	2149	5176	1	0	0	0.6	-	6	-	-	-	-	-	2	3	1	2
8.1	2218	5162	1	0	0	0.7	-	5	-	-	-	1	-	2	5	2	2
8.1	2218	5168	1	0	0	0.6	-	21	-	-	-	-	-	2	3	2	1
8.1	2236	5163	6	0	0	1.1	-	152	-	-	-	-	-	2	3	2	2
8.1	2239	6376	1	0	0	0.7	-	16	-	-	-	-	-	2	5	2	2
8.1	2247	5137	1	0	0	0.8	-	20	-	-	-	1	-	2	5	1	1
8.1	2247	5173	1	0	0	0.6	-	14	-	-	-	2	-	4	2	1	1
8.1	2249	5238	1	0	0	0.9	-	14	-	-	-	-	-	5	2	2	2
8.1	2249	5246	0	1	0	0.5	-	17	-	1	-	-	-	2	5	2	2
8.1	2261	5229	1	0	0	0.8	-	3	-	-	-	2	-	2	5	2	2
8.1	2267	5171	1	0	0	0.4	-	7	9	-	-	-	-	1	5	2	2
8.1	2353	5380	1	0	0	0.8	-	28	-	-	-	-	-	2	5	1	1
8.2.1	0392	2149	1	0	0	0.5	-	6	-	-	-	-	-	6	5	2	1
8.2.1	0392	2167A	1	1	0	0.5	-	18	-	9	-	-	-	2	5	2	2
8.2.1	0392	2171	2	0	0	0.6	-	28	-	-	-	-	-	1	1	1	2
8.2.1	0391	2174	0	0	1	0.5	12	11	-	-	1	-	-	5	5	2	2
8.2.1	2110	4674	0	0	1	0.7	-	24	-	-	-	-	-	6	3	2	2
8.2.1	2170	4950	1	0	0	1.2	-	8	-	-	-	-	-	3	3	2	2
8.2.1	2196	5122	0	0	1	0.5	8	4	-	-	3	-	-	1	5	2	2
8.2.2	0065	0624	1	0	0	0.5	-	5	-	-	-	-	-	1	5	2	2
8.2.2	0273	2235	1	0	0	0.6	-	4	-	-	-	-	-	3	3	2	2
8.2.2	0361	1494	1	0	0	0.8	-	7	-	-	-	-	-	3	1	2	2
8.2.2	0361	1496	1	0	0	0.6	-	4	-	-	-	1	-	3	3	2	1
8.2.2	0361	1498	1	0	0	0.6	-	7	-	-	-	-	-	1	3	2	1
8.2.2	0361	1502	1	0	0	0.8	-	8	-	-	-	-	-	3	5	1	2
8.2.2	0370	1582	1	0	0	0.6	-	6	-	-	-	-	-	5	5	2	2
8.2.2	2038	4500	4	4	4	0.5	17	648	-	-	-	-	-	6	5	2	2
8.2.2	2038	4569	0	1	0	0.8	-	15	-	2	-	-	-	2	3	2	2
8.2.2	2038	4571	0	1	0	0.6	-	9	-	16	-	-	-	6	1	2	2
8.2.2	2111	4814	0	0	1	0.9	-	31	1	-	2	-	-	1	2	1	1
8.2.2	2111	4828A	1	0	0	0.6	-	19	-	-	-	-	-	3	5	2	1
8.2.2	2111	4828B	1	0	0	-	-	2	-	-	-	-	-	1	1	2	2
8.2.2	2167	4806	0	0	0	-	-	7	-	-	-	-	-	1	1	2	2
8.2.2	2167	4940	1	0	0	0.6	-	1	-	-	-	-	-	2	3	2	2
8.2.2	2220	4951	0	1	0	0.7	-	11	-	2	-	-	-	6	3	2	2
8.2.3	0103	0041	1	0	0	0.9	-	19	-	-	-	-	-	1	2	2	2
8.2.3	0105	0009	1	0	0	0.8	-	4	-	-	-	-	-	1	2	2	2
8.2.3	0204	0517	1	0	0	0.7	-	-	-	-	-	-	-	1	2	2	2
8.2.3	0293	1170	0	0	1	0.7	12	17	-	-	1	-	-	1	1	2	2
8.2.3	0293	1393	0	1	0	1.0	-	5	-	-	-	-	-	1	3	2	2
8.2.3	0318	1539	1	0	0	0.6	-	2	-	-	-	-	-	2	5	2	2
8.2.3	0318	1553	1	0	0	0.7	-	3	-	-	-	-	-	2	5	2	2
8.2.3	2014	4285	1	0	0	0.5	-	3	-	-	-	-	-	2	2	2	1
8.2.3	2028	4337	0	1	0	0.8	12	51	-	4	-	-	-	3	2	1	1
8.2.3	2028	4353	1	0	0	1.5	-	19	-	-	-	-	-	4	1	2	2
8.2.3	2035	4474	1	0	0	0.7	-	4	-	-	-	-	-	4	3	2	1
8.2.3	2035	4490	2	0	0	0.7	-	24	-	-	-	-	-	1	3	1	2
8.2.3	2052	4625	1	0	0	0.7	-	2	-	-	-	-	-	4	5	2	2

PH	CON	FN	NB	NR	NBS	TH	DIA	WT	B	R	BS	S	D	F	C	E	I
8.2.3	2053	4641	0	1	0	-	-	10	-	-	-	-	-	2	1	1	2
8.2.3	2055	4427	1	0	0	0.9	-	6	-	-	-	-	-	3	1	2	2
8.2.3	2066	4428	1	0	0	0.5	-	2	-	-	-	-	-	1	2	1	1
8.2.3	2066	4660	0	0	0	-	-	12	-	-	-	-	-	5	1	2	2
8.2.3	2077	4628	0	0	1	3.0	-	72	-	-	-	-	-	1	2	2	2
8.2.3	2092	4560	3	0	0	0.6	-	2	-	-	-	-	-	6	2	2	2
8.2.3	2092	4574	1	0	0	0.7	-	25	-	-	-	-	-	6	3	2	2
8.2.3	2140	4912	0	1	0	0.6	11	-	-	4	-	-	-	2	2	1	1

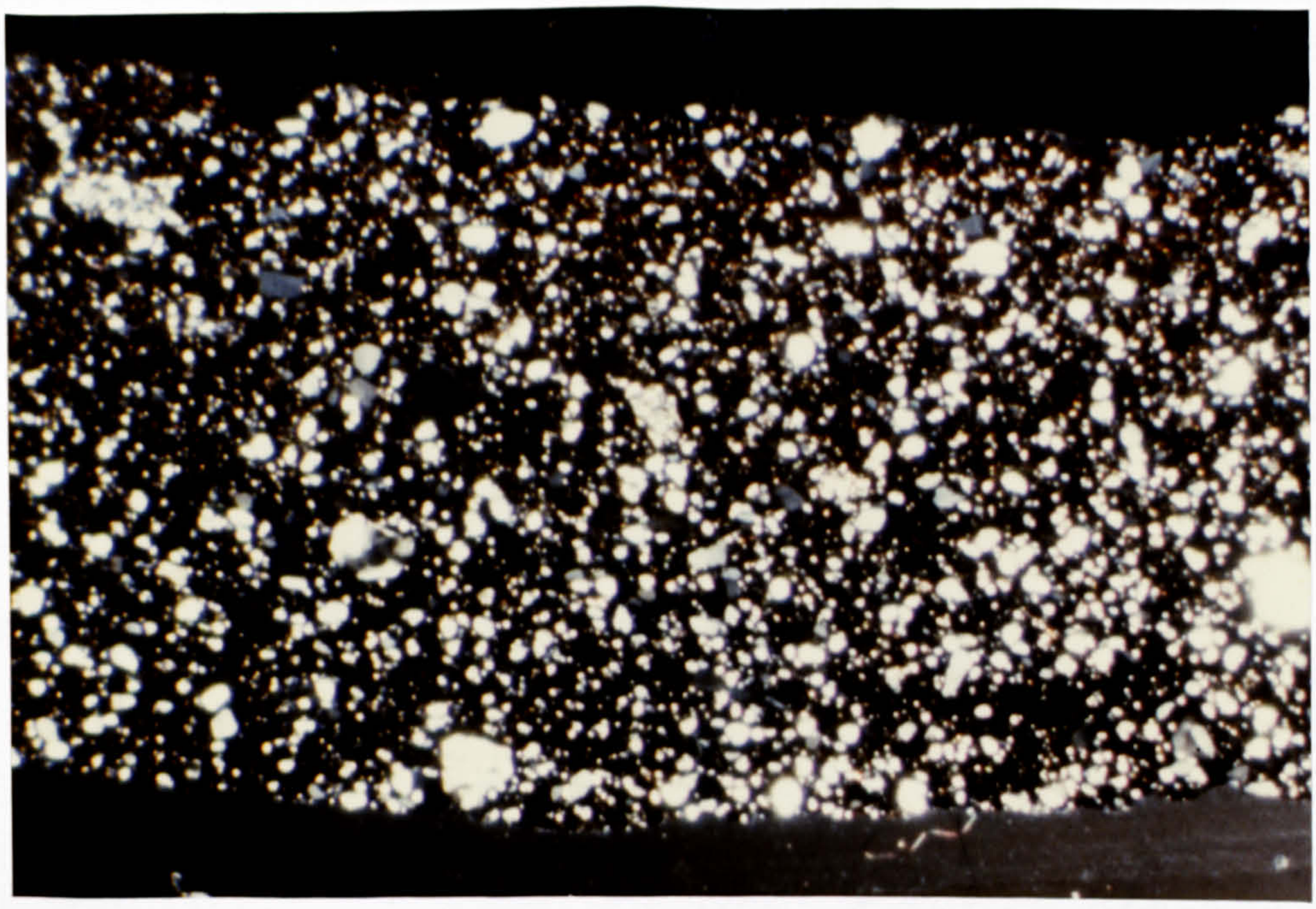

Plate I: Sherd (P6) of untempered Matrix 1 in thin section.

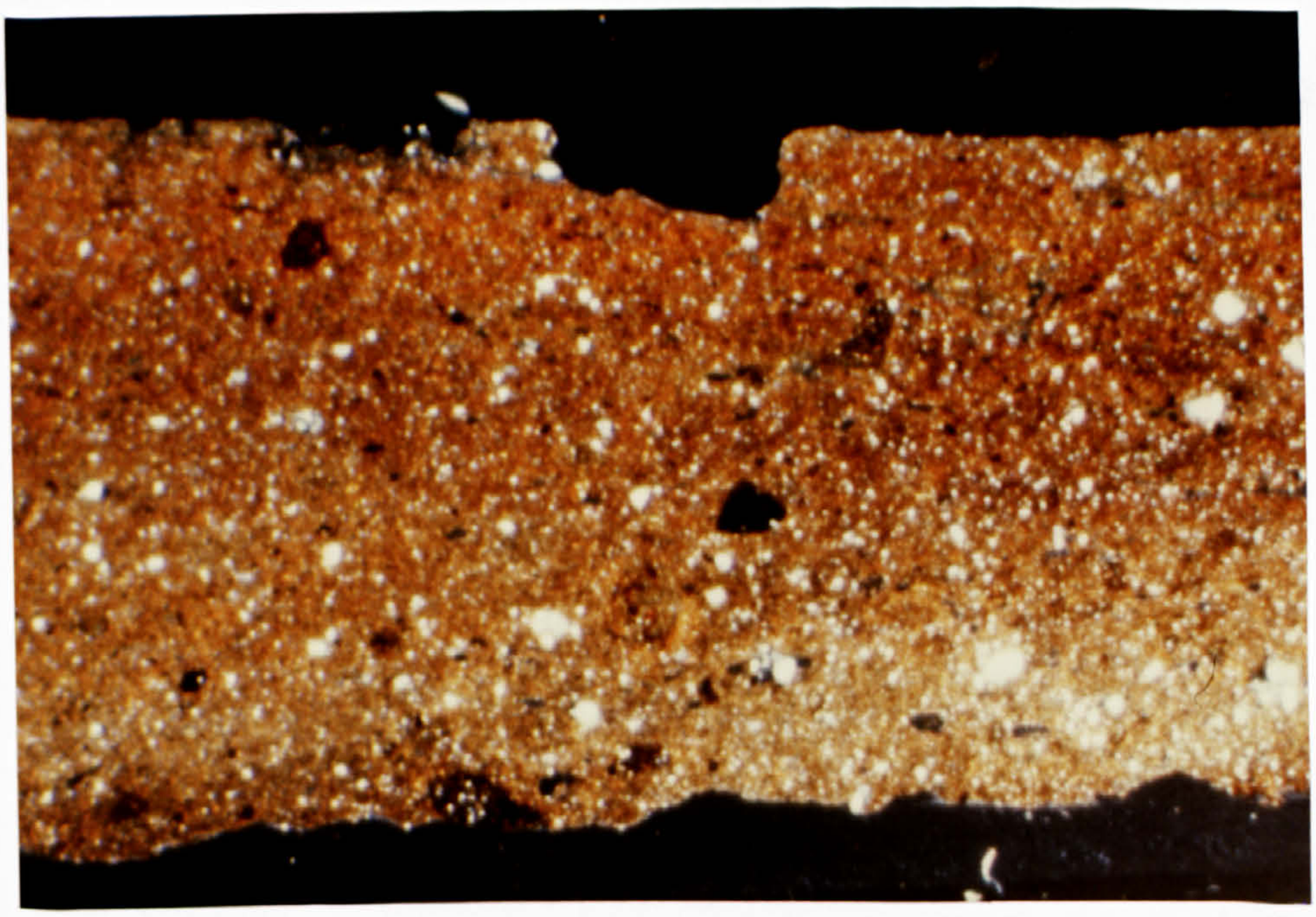

Plate 2: Sherd (P19) of untempered Matrix 2 in thin section

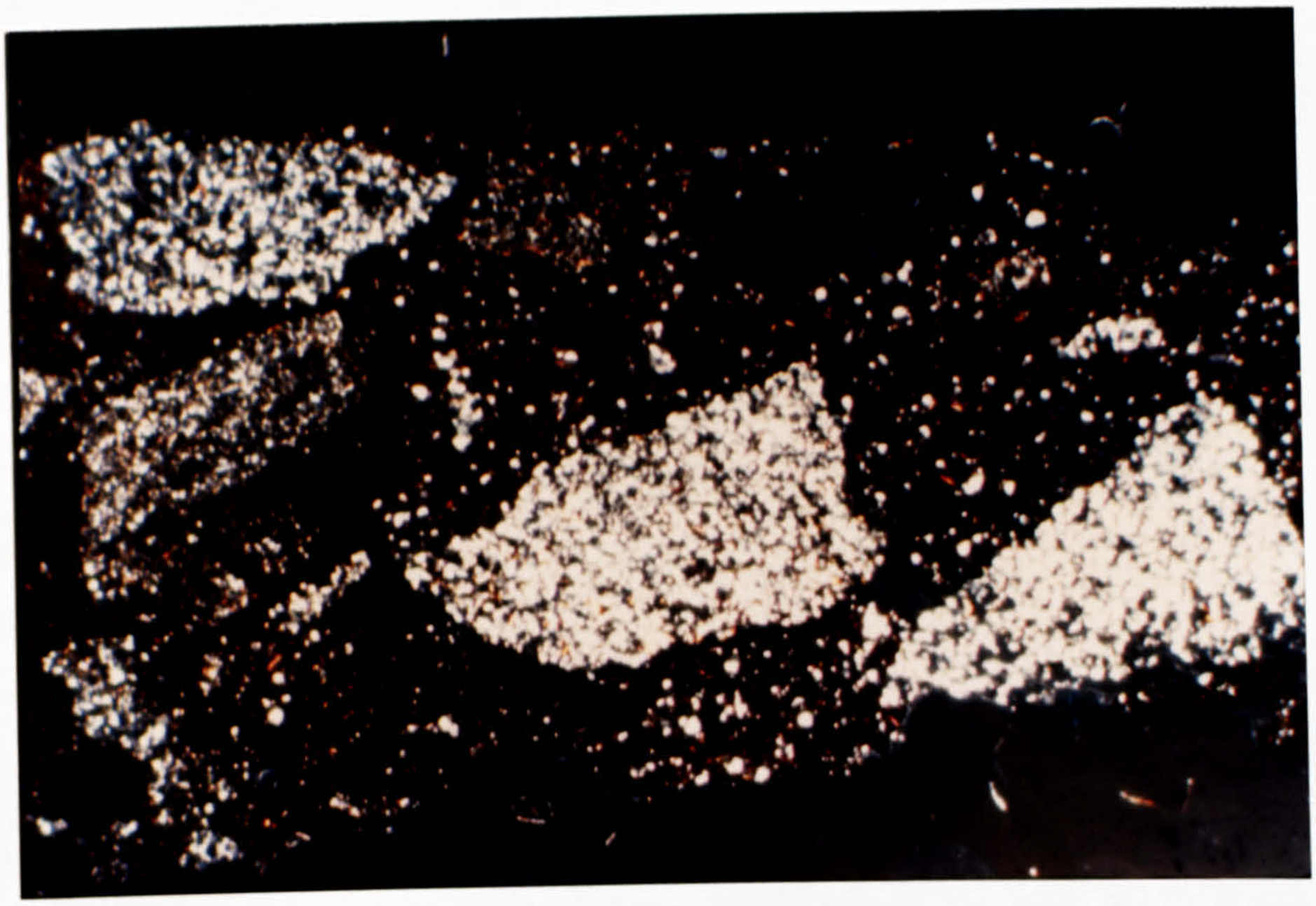

Plate 3: Sherd (P325) of rock-tempered Matrix 1 in thin section.

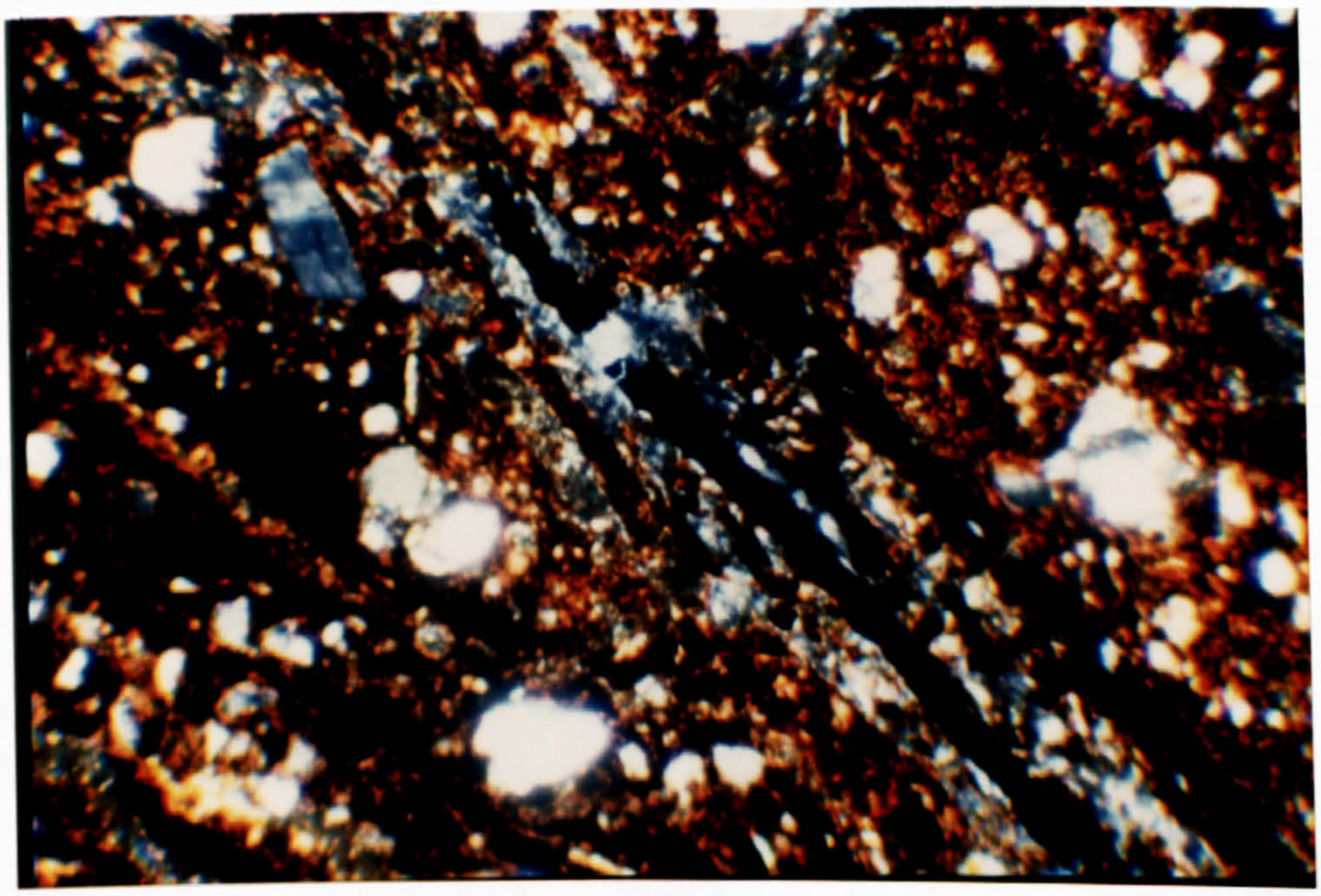

Plate 4: Sherd (P375) of grass-tempered pottery in thin section.

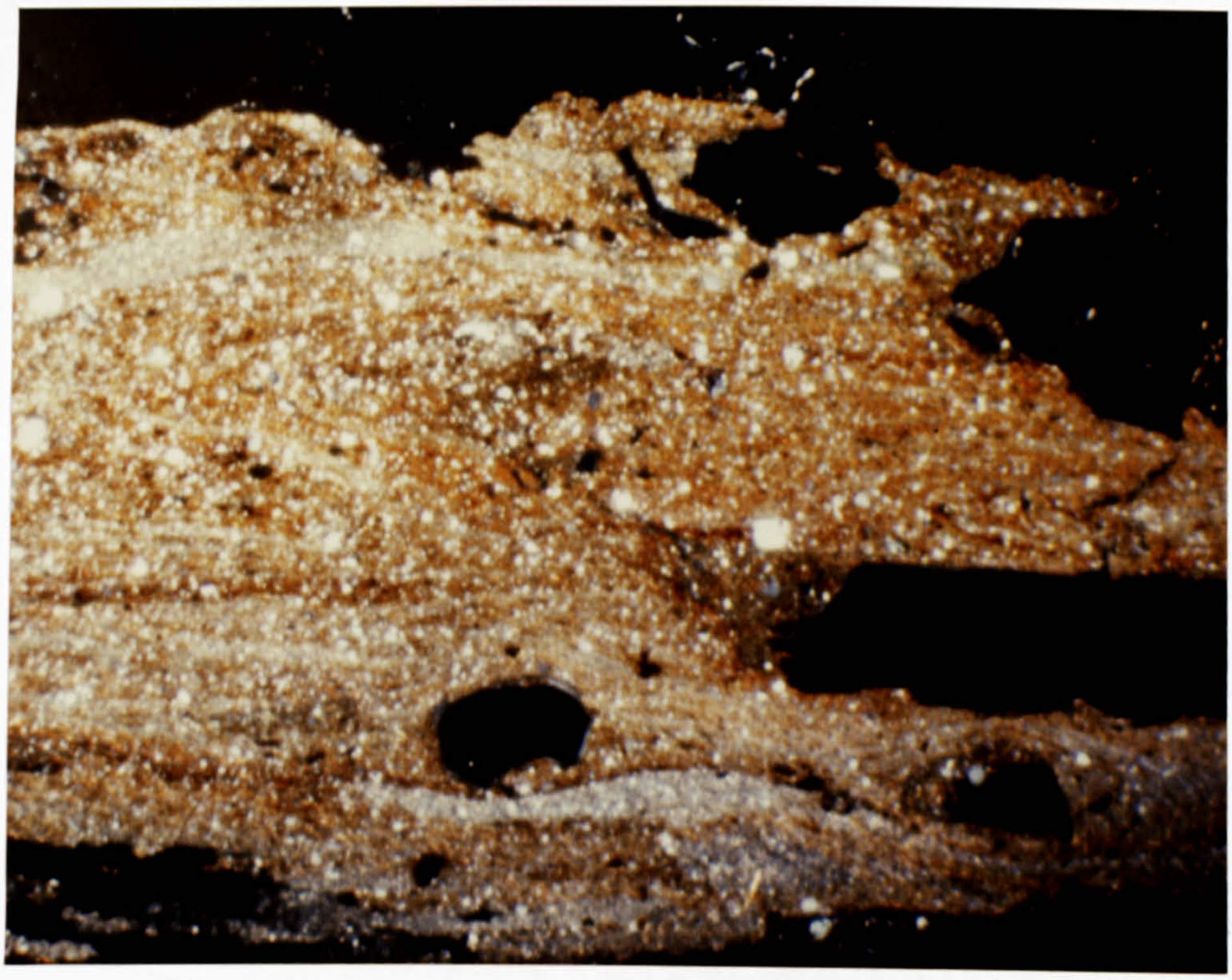

Plate 5: Sherd (P354) of shell-tempered pottery in thin section.